From qrp-admin@Think.COM Wed Mar 9 13:00:33 1994
Subject: !QRPp
Date: Wed, 09 Mar 94 13:01:32 EST
From: "John F. Woods" <jfw@ksr.com>

Adding to the flood, I haven't received mine in snowy Massachusetts.

From qrp-admin@Think.COM Sun Mar 6 10:51:21 1994
Date: Sun, 6 Mar 94 10:50:42 EST
From: mgseyle@super.org (Melvin G. Seyle)
Subject: "History of QRP in the U.S."

I don't remember who posted the message about where to purchase
"A History of QRP in the U.S.", but the address he gave:

 Milliwatt Publishing
 833 Duke St. #83
 Vermillion, South Dakota 57069

is WRONG. I just received my ordering letter back from the Post Office
with a "Forward Expired" box checked. Does anyone know the correct address?
I would really like to order the book.

Thanks.

Mel
mgseyle@super.org
WA3KZR

From qrp-admin@Think.COM Mon Mar 7 14:28:51 1994
Date: Mon, 7 Mar 94 11:28:33 -0800
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: 1,000 mile/watt award

Oh, you can get this award for each QSO that qualifies. You don't have
to improve your previous miles/watt number each time. :-)

I think you'll run out of interest or money before too long. At $2
each, this could get to be expensive. And besides all that, how
large of a wall do you have. Mine is 25' x 10' and I don't want to
cover it with awards. :-)

dit dit
Chuck Adams K5FO CP-60
adams@sgi.com

From qrp-admin@Think.COM Thu Mar 10 08:56:38 1994
From: mvjf@mvubr.att.com
Date: Thu, 10 Mar 94 08:42 EST
Subject: 30/40/40 kits

40/40 and 30/40 kits:

The NN1G designed 30m & 40m transceiver kits offerred by
QRP-NE have all been sold.

All parts have been ordered, and those who ordered kits
should get them in April. Thanks to all who responded.

I am now reviewing the construction manual and it is
excellent.

The IQRP Club presents an amazing opportunity to those
that are astute enough to see the possibilities.

Has anyone investigated buying stock in Internet
providers ? It must be growing at a tremendous pace.

 73/72 Jim Fitton, W1FMR QRP-NE mvjf@mvubr.att.com

From qrp-admin@Think.COM Wed Mar 9 14:12:06 1994
Date: Wed, 9 Mar 94 13:11:37 -0600
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: 30M

i had sked last nite around 0000Z on 30M. i was 10 min late
in getting home 'cuz of rain and traffic, but did get on 10.106.

i worked a V31 (new one for me) at 10.105. turns out i knew Bob,
as he won code contest i ran at HamCom last year at 45wpm. he
was working 'em right and left and 599 (real) both ways.

RDK, sorry i missed you.

OH. Using OHR W7EL rig with 0.90W out to the long wire. i
have something that i wanna try before Dayton. i have two

hamstick antennas that both plug into fixture for making a
"dipole". was going to do this yesterday, but heck, it's been
raining and snowing second day in a row. i'll post the manufacturer
when i get it set up. wasn't all that expensive either.

dit dit
Chuck Adams K5FO CP-60
adams@sgi.com

From qrp-admin@Think.COM Sat Mar 5 10:55:44 1994
From: bob.berlyn@chowda.sbs.com (Bob Berlyn)
Subject: 40 Mtr QRP Net
Date: Sat, 5 Mar 1994 13:40:00 GMT

Hi All,

I just wanted to drop a line to those on The QRP Net on 7.040 today
(Sat) and thank you for your help(K2TKS ans WA1JXR).

This was my first ever CW net, and if you remember back to your first
net I'm sure you remember how confusing it was, at least it was for me.
As you know by now my CW speed is not as fast as it could be, but
that will come with time. In any case it was a fun just to make contact,
I'll be back.

My major problem was the Rx in my HW-8, it's to broad and the result
is a lot of QRM on my end, so I ended up using my FT-890 with the
power turned down to about 4 watts, and the great reciever.

I guess its time to think about a better QRP rig, and I think I'll
do the old fashion way, build it myself. (Actually I like to home
brew and have built a couple of projects from QRP classics etc.,
I am far from being an engineer)

So--- What to build? My homebrewing skills are still in their early
stages of development, but I was thinking of the W1FB Universal
DC reciever in the W1FB QRP Note Book, along with a VXO Transmitter.

Does anyone here have any experience with this reciever. Will the

Audio Filter be good enough to make the selectivity better than the
HW-8? Although I understand the limitations of a DC reciever. I do
think I should crawl before I walk and therefor think I should keep
the project simple, ergo the DC reciever

Any Suggestions ?

Thanks es 73

 * OFFLINE 1.54 * Bob Berlyn N1PWU Bob.Berlyn@Chowda.sbs.com
.............

From qrp-admin@Think.COM Sun Mar 6 23:34:11 1994
Date: 07 Mar 1994 10:56:21 +0700 (SST)
From: ASIRENE@v9001.ntu.ac.sg
Subject: 400 Hz xtal filters. Help.

Hi fellas,

I have a design problem. My homebrew QRP rig uses a 600 Hz BW IF xtal filter consisting of 4 12.0000 MHz xtals in ladder configuration. I am finding this BW insufficient for working pile-ups so am considering changing it to 400 Hz. I was wondering if anyone can tell me how to do this. Will it require additional xtal stages or will I need to only change the capacitor values? How much improvement can I expect from this mod and is there a better way out of this? Tks.

72 es 73,
Daniel

From qrp-admin@Think.COM Mon Mar 7 16:34:31 1994
Date: Mon, 7 Mar 1994 15:34:09 -0600 (CST)
From: KELL@ASD2.JSC.NASA.GOV
Subject: A DELPHI ALTERNATIVE THAT IS FREE

> QRPers

> A fellow ham gave me this info regarding outside sources
> to the internet. I know there have been some inquires in
> the past as to places to access the service.
> 72/73 Jan, WA4VQD jheise@ic1d.harris.com

> I called a company that I got a add from (DELPHI)about
> internet connections.

> Here is what they told me.

> You can try it for 5 hour FREE-

From qrp-admin@Think.COM Mon Mar 7 15:27:46 1994
From: "Kevin Anderson" <GGANDERSON@Augustana.edu>
Date: Mon, 7 Mar 1994 14:26:10 GMT-500
Subject: antenna gain & QRP levels

Jeff's great tribute to the USEFULNESS of QRP levels (who needs QRO anyway but the unconfident ;-) raises this question in my mind on QRP levels.

Obviously Jeff's Lightning Bolt has some nice forward gain (10 to 15 db?), giving him still a respectible ERP even starting with 1milliwatt of output to the antenna.

To be fair (and I don't mean to point fingers at anyone or discredit accomplishments by anyone here), maybe the 5 watt limit should be ERP level, removing the antenna from consideration. Level the playing field a bit for people not able to afford (or allowed) such antennas. On the other hand, the antenna is just what lets some people "rise up above the pack" and has been a factor in amateur radio from its start.

Just wondering from a neophyte......Comments?

72 de Kevin, KB9IUA
* *
Kevin L. Anderson, Geography Dept., Augustana College
Rock Island, Illinois 61201 USA phone: (309) 794-7325
e-mail: gganderson@augustana.edu or kla@helios.augustana.edu
* *

From qrp-admin@Think.COM Tue Mar 8 06:57:02 1994
From: Bruce Walker <bruce@Think.COM>
Date: Tue, 8 Mar 94 06:56:54 EST
Subject: antenna gain & QRP levels

[Oops. I wrote this yesterday afternoon but forgot to send it. This is the "my last message" I referred to in my other message last night :-)
-WT1M]

> From: "Kevin Anderson" <GGANDERSON@Augustana.edu>
> Date: Mon, 7 Mar 1994 14:26:10 GMT-500
>
> Obviously Jeff's Lightning Bolt has some nice forward gain
> (10 to 15 db?), giving him still a respectible ERP even
> starting with 1milliwatt of output to the antenna.

Probably more like 7dbd or less, but it still sounds like a nice 5-band antenna.

> To be fair (and I don't mean to point fingers at anyone or discredit accomplishments by anyone here), maybe the 5 watt limit should be ERP level, removing the antenna from consideration. Level the playing field a bit for people not able to afford (or allowed) such antennas. On the other hand, the antenna is just what lets some people "rise up above the pack" and has been a factor in amateur radio from its start.

So I wonder what the rule would be on my main antenna, a fixed longwire, which has mucho gain in a couple of directions (generally toward Europe and diagonally across continental US) but generally has lots of lobes and especially nulls elsewhere.

There was a massive flamefest on the CQ-Contest mailing list a month or two ago about all the things which are ``unfair'' in contesting: we Northeasterners have an undeniable advantage in the big DX contests, some people talked about a <$10k station category :-), ...

The only conclusion to be drawn is that there is no set of rules which will level the playing field. Most of us solely compete against ourselves given the conditions we create for ourselves; if we want to see our name in the top 10 box then we probably need to be willing to buy an appropriate QTH and spend the bucks for an appropriate station, then work and work to become a quality operator. No one should be expected to handicap me because I my house has a hill blocking the way to JA. Lots of people don't can't even have outdoor antennas.

Anyway, let's *please* not get into the same sort of debate about leveling the playing field with rules. Do whatever it takes to make you feel good about your operating.

--bruce WT1M

From qrp-admin@Think.COM Mon Mar 7 17:08:48 1994
Date: Mon, 07 Mar 1994 16:08:17 -0600 (CST)
From: "JEFF M. GOLD" <JMG@tntech.edu>
Subject: Argonaut 515

Hi,

what are the differences between the 509 and 515.. do they look the same? size? filtering? receiver? anything else?

thanks

Jeff, AC4HF

From qrp-admin@Think.COM Mon Mar 7 19:36:17 1994
Subject: Re: Argonaut 515
Date: Mon, 07 Mar 1994 16:35:54 -0800
From: Clark Savage Turner WA3JPG <turner@safety.ICS.UCI.EDU>

Jeff asks about the 509 vs the 515 Argonauts -

I haven't owned the 515 but have used a few. I have owned the 509 and 505.
The 515 is black. The 515 has the basic front end design of the Triton IV.
The filter options are the same as the 509 however. There was an outboard
filter for the 515 that had a notch filter as well as the standard CW
widths (audio). Other than that, no big differences (except for the price!)

Overall, I have used the 515, and I am sure it is a bit more sensitive than
the 509 (well, the design was "improved"), but it never impressed me so
much to really notice. It is nicer looking, and the audio notch is pretty
good to have. The big price some folks ask for them scares me....

72

Clark
WA3JPG

From qrp-admin@Think.COM Fri Mar 11 11:41:48 1994
Date: Fri, 11 Mar 1994 10:40:34 -0600 (CST)
From: "JEFF M. GOLD" <JMG@tntech.edu>
Subject: ARK 40

Hi,

hate to do it.. may have to sell off some equipment. one piece I am
considering selling is the ARK 40.. completely built and tested, and
aligned.. works GREAT..

Just wanted to put out feelers and see if anyone was interested.

72

Jeff, AC4HF

From qrp-admin@Think.COM Sun Mar 6 15:33:50 1994
Date: Sun, 6 Mar 94 12:33:29 -0800
From: adams@chuck.dallas.sgi.com (Charles Adams)

Subject: Atlas

Gang,

last night i stopped at the "Bookstop" and bought the
OXFORD Concise Atlas of the World, 'cuz my Goode's World
Atlas was on it's last legs.

I could not afford (well, I didn't want to spend the $175 US
for the OXFORD Atlas of the World) the rger Atlas. Has
anyone other than myself noticed that the other publishers have
ceased to print the long/lat of cities in their atlaii (:-)).
You guys in G2+ land please excuse the English here. We are
no longer colonies. :-)

Anyway, I have failed to turn up any machine readable ASCII
data for cities of the world outside the US. I have the ARRL
database, but it's of no value to me in the Thousand Mile per
Watt award of the QRP ARCI. I have used archie, etc. This is
my last plea from this group. Does anyone haveanything that
will help?

In a few years I will probably have all the data entered, but
I'd like to start with everything.

Thanks for the help guys/girls,

dit dit
Chuck Adams K5FO CP-60
adams@sgi.com

From qrp-admin@Think.COM Wed Mar 9 13:29:48 1994
Date: Wed, 9 Mar 94 13:29:03 -0500
From: okas_rp%ncsd.dnet@gte.com
Subject: Brilliant thought

It just dawned on me:
Heinrich Hertz was the first QRP operator. Think about it.

Back to sleep. zzzzzzz

From qrp-admin@Think.COM Fri Mar 11 19:55:48 1994

Date: Fri, 11 Mar 1994 19:57:15 -0500
From: ak238@yfn.ysu.edu (Keith M. Hamilton)
Subject: Buying a DMM

Hopefully this will spark some good discussion and I'll receive
some great advice! I am getting ready for Dayton in a few weeks
and I have decided to start shopping for a good Digital Multi-Meter.
As a beginner to building and testing circuits, I don't know
what to look for in a good meter.
All comments are welcome! I am sure many of you have a favorite
meter or one you wish you had. I thank all of you in advance.
There are a lot of us beginners out there who are just starting
to really enjoy building. My NorCal 40 still is on the bench
but I am having a ball!

--
Keith M. Hamilton 73 de NO8Z
ak238@yfn.ysu.edu
Youngstown, Ohio

From qrp-admin@Think.COM Mon Mar 7 09:29:18 1994
Date: Mon, 07 Mar 1994 08:28:32 -0600 (CST)
From: "JEFF M. GOLD" <JMG@tntech.edu>
Subject: Contest

Howdi ALL,

got a Delta I for my Ten Tec collection and got the minor problems out
of it just in time for the DX contest this weekend. After making sure it
operated correctly .. decided to switch over to my Yaesu 301S.. about 5
watts output on SSB.. I worded everyone I heard (of course I waited for
the Sat to try this). About the second guy I worked was a DL. I don't
call /QRP... but during a contest such as this where most people are
running about 1KW, I give the 59 TN and then say operating QRP. The DL
station stopped contesting and wanted to know my exact power level, the
equipment I was using, my antenna.. then started talking.. wanted my
county... had a nice QSO.. I didn't have any problems working anyone I
heard.

72

Jeff, AC4HF

From qrp-admin@Think.COM Wed Mar 9 18:29:20 1994
Date: Wed, 9 Mar 94 18:26:29 EST
From: "Henry T. Rand Jr." (FSAC-AAD) <rrand@PICA.ARMY.MIL>

Subject: CQ Contest Power Limits

As promised I checked on the power limits for the CQ contests such as the CQ-WW. Quoting from the response I received from KR2Q:

"The CQ Contest Committee defines QRP as 5 watts or less(its right on the old coversheets too!). 5 watts is 5 watts , not 10 watts PEP. If you run 1500 on cw during the cw weekend and claim qro, does that mean you can run 3000 watts on ssb during the phone weekend and still feel legal? Of course not!"

I think Doug has a point with the comparison. So, for QRP ARCI contests you can use 10 w PEP because that is our official club limit. However, for the ARRL and CQ contests stick to 5 watts PEP as the limit. I checked the ARRL summary sheets and they say 5 watts or less for QRP and 6-150 for low power.

I hope this clears up any possible confusion with the power levels.

73,
Randy Rand AA2U
rrand@pica.army.mil

From qrp-admin@Think.COM Mon Mar 7 14:01:32 1994
Date: Mon, 7 Mar 1994 14:00:59 -0500
From: jrj@mbunix.mitre.org (Johns)
Subject: Dayton & Airfare Wars

Now is the time to take advantage of the current airfare wars when planning your travel to Dayton. Jim Fitton reported $188 from Manchester, NH to Dayton and I just located a $184.50 fare from Boston to Dayton (roundtrip of course :-) Most of the fares are non-refundable and must be purchased at least 30 days prior to travel and before 15 March in some cases but it certainly makes air travel much more affordable. Hope to see the entire QRP gang at the hospitality suite. 73 & 72

Jim Johns KA0IQT
jrjohns@mitre.org

Note: The opinions above are my own. I have no interest in any airline or travel agency. Just a happy passenger.

From qrp-admin@Think.COM Wed Mar 9 18:23:53 1994
Date: Wed, 09 Mar 94 11:20:48 GMT
From: dick@kanga.demon.co.uk (Dick G0BPS)
Subject: Dayton Booth help

Hi Gang,
As you may know the G-QRP usually has a booth at Dayton
along with ARCI and the M-QRP club. This year only two
Brits are comming over, George G3RJV and John the VHF
man. Could any US G-QRP club members offer to assist in
manning (womaning) the booth for an hour or two over the
period of the show. Much to my disapointment I cannot
get over this year. But I will return next year...
Cheers.. de Dick
--
Dick G0BPS / G0ROO A member of the DRAGON SLAYERS QRP Group
Kanga Products (Remember that sometimes the Dragon wins)

[The opinions expressed here are always that of the management,]
[I am the management!! (especially when she lets me)]

From qrp-admin@Think.COM Wed Mar 9 00:17:28 1994
From: jjw@seastar.org (John Welch)
Subject: designing crystal filters
Date: Mon, 7 Mar 1994 08:27:14 -0600 (CST)

 I *think* I've puzzled out how to design a crystal filter,
given the crystals that are to go in it. The measurements will take a
stable signal source of known impedance, a trimpot, an RF voltmeter
and a VOM.

 So far I've got 20 matched (to within 30Hz) 10MHz crystals
(actually, 9.995720 +/- 15) that I'm planning on making into two
8-pole SSB and one 4-pole CW filter. I still need to measure the
insertion loss and the 3db bandwidth to be able to design the filter.
If there's enough interest, I'll post a 'how-to-do-it' here.

--
John Welch, N9JZW

From qrp-admin@Think.COM Wed Mar 9 10:20:43 1994
Subject: Re: designing crystal filters
Date: Wed, 09 Mar 1994 10:20:21 -0500
From: Daniel C Halbert <halbert@world.std.com>

Hi would-be crystal-filter builders,
I'll repeat that I've made up a spreadsheet for Butterworth and Chebyshev
crystal filter design, based on Wes Hayward's May 1982 QST article.
The spreadsheet is in Lotus 1-2-3 format and is available from the ARRL
info mail server (info@arrl.org) and by FTP at

world.std.com: /pub/hamradio/arrl/Server-files/info/qst/xtalf.zip

Regards,
Dan Halbert, KB1RT

From qrp-admin@Think.COM Wed Mar 9 15:17:52 1994
Date: Wed, 9 Mar 1994 15:16:57 -0500
From: Karl Heinz Kremer QA <khk@raster.Kodak.COM>
Subject: Re: designing crystal filters

> Hi would-be crystal-filter builders,
> I'll repeat that I've made up a spreadsheet for Butterworth and
Chebyshev
> crystal filter design, based on Wes Hayward's May 1982 QST article.
> The spreadsheet is in Lotus 1-2-3 format and is available from the
ARRL
> info mail server (info@arrl.org) and by FTP at
>
> world.std.com: /pub/hamradio/arrl/Server-files/info/qst/xtalf.zip
>
> Regards,
> Dan Halbert, KB1RT

For all who do not have Lotus 1-2-3 or Excel or any other program that
can digest the 1-2-3 format:

I have it running on oleo, the freeware spreadsheet program for Unix
and
clones. The file is 19000 Bytes. If you are interested, drop me a short
note and i'll mail it to you.

73,
Karl Heinz - N2XRQ

--
Karl Heinz Kremer Performance Technology & Evaluation
Eastman Kodak Company, Department 294, 901 Elmgrove Road
Rochester, NY 14653-5810, USA FAX: +1-716-726-0374
EMail: khk@raster.kodak.com Phone: +1-716-726-7882

From qrp-admin@Think.COM Fri Mar 11 12:58:13 1994
From: jjw@seastar.org (John Welch)
Subject: Re: designing crystal filters
Date: Thu, 10 Mar 1994 08:11:12 -0600 (CST)

In your article <199403091520.AA16715@world.std.com> ["Re: designing crystal
filters "], you wrote:

> Hi would-be crystal-filter builders,
> I'll repeat that I've made up a spreadsheet for Butterworth and Chebyshev
> crystal filter design, based on Wes Hayward's May 1982 QST article.
> The spreadsheet is in Lotus 1-2-3 format and is available from the ARRL
> info mail server (info@arrl.org) and by FTP at
>
> world.std.com: /pub/hamradio/arrl/Server-files/info/qst/xtalf.zip
>
> Regards,
> Dan Halbert, KB1RT
>

Have you, by any chance, got the pre-distorted tables? and/or
the Chebychev tables for more than 5 poles? I have only e-mail and
usenet access, so if you have either of these pieces of info could you
send it to me by e-mail? jjw@seastar.org thanks
--
John Welch, N9JZW

From qrp-admin@Think.COM Fri Mar 11 12:58:17 1994
From: jjw@seastar.org (John Welch)
Date: Thu Mar 10 08:16:41 1994

Newsgroups: qrp
Path: jjw
From: jjw@seastar.org (John Welch)
Subject: Re: The Slinky
Date: Thu, 10 Mar 1994 14:16:37 GMT
Message-ID: <CMGCzq.DBG@seastar.org>
Distribution: local
References: <9403091048.aa22401@paris.ics.uci.edu>
Reply-To: jjw@seastar.org (John Welch)
Followup-To: qrp
Organization: Welch Research.
Lines: 27

As quoted from <9403091048.aa22401@paris.ics.uci.edu> by nshore!
usenet.INS.CWRU.Edu!safety.ICS.UCI.EDU!turner (Clark Savage Turner WA3JPG):

> Andy asks about the Slinky as an antenna.
>
> My experience has been just fine. The single slinky loads up fine on 40
> with a counterpoise out of the tuner, and I even loaded up on 75, though
> the signal wasn't very strong. I had it all bunched up at times, and it
> still worked fine.
>
> My take on it is this: just remember, some folks even use hamsticks on their
> cars on 40 and 75 and THEY get out (even with qrp :-). THAT is not much of

> an antenna, but it is enough to communicate. Good luck.
>
> Clark
> WA3JPG

 A friend of our lives in an apartment, and uses a Slinky antenna. To get out at all he needs close to 100 watts, and he not only munches the TVs in the area but he chirps smoke alarms throughout his building. All this trouble because he's not allowed to have an outside antenna :-(

 Basically, anything metal will radiate some signal. A Slinky is no better than a hunk of wire around the ceiling.
--
While (its_not_working()) John Welch, N9JZW
 mess_with_it(); jjw@seastar.org

From qrp-admin@Think.COM Wed Mar 9 13:59:43 1994
Date: Wed, 9 Mar 94 12:58:20 CST
From: sfarmer@amoco.com (Steven L. Farmer)
Subject: Re: Echoes was: Longest Distance

Mike, WB4ZKA asks re echoes on 12 and 15 cw....

> Is this an example of what used to be called long-delay echoes
> (LDEs)? I haven't heard much about this phenomenon since 10-15
> yrs ago when LDEs were The Big Mystery.

Don't think so. Hearing a piece of your own signal over a 'round the planet path isn't all that uncommon on 15 meters if you have a good qsk rig and an omnidirectional antenna. The total delay is *roughly* 140 ms, which is far longer than the qsk turnaround for my omni v. A few years ago when the solar flux was a bit healthier, I'd hear my "echoes" on 15 on more or less a weekly basis, especially early in the mornings. As I recall, LDEs involved delays on the order of several *seconds*, and were never explained. I personally think they probably were a hoax.

73,
Steven Farmer WA5RPF
sfarmer@trc.amoco.com

From qrp-admin@Think.COM Wed Mar 9 15:19:41 1994
Date: Wed, 9 Mar 1994 12:15:23 -0800 (PST)
From: "H. Ward Silver" <hwardsil@seattleu.edu>

Subject: Re: Echoes was: Longest Distance

Long Delayed Echoes, meaning more than one or two round-trip transit times
of 140ms each, are currently thought to be signals entering large magnetic
"tube" or "duct"-like structures in the earth's magnetosphere which
extends far into interplanetary space. The trip around one of these
structures can take several seconds, even at light speed. What hasn't
been explained are the signals apparently delayed for *years*...little
green men, maybe?
73, Ward N0AX

From qrp-admin@Think.COM Wed Mar 9 15:34:05 1994
Date: Wed, 9 Mar 94 14:33:41 -0600
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: Echos - long delay

I'd think that a delay of one or more seconds might be caused
by a "tunneling effect" in the ionosphere, i.e. energy trapped
between two layers of the ionosphere making 6 or more rounds
and then exiting back to the surface of the earth. let's call
it the "Adams' Effect". :-)

dit dit

Chuck Adams K5FO CP-60
adams@sgi.com

From qrp-admin@Think.COM Wed Mar 9 13:49:26 1994
Date: Wed, 9 Mar 1994 11:50:29 -0700 (MST)
From: B61395@awtims.fe.anlw.anl.gov
Subject: ERP

Well, we beat that one to death

From qrp-admin@Think.COM Thu Mar 10 00:11:46 1994
Date: Wed, 9 Mar 1994 21:11:56 -0800 (PST)
From: stark <mswmod@sage.unr.edu>
Subject: Re: ERP

On Wed, 9 Mar 1994 B61395@awtims.fe.anlw.anl.gov wrote:

> Well, we beat that one to death

Boy, I sure hope so!!!

Ron, KU7Y

From qrp-admin@Think.COM Wed Mar 9 13:58:29 1994
Date: Wed, 9 Mar 1994 11:59:37 -0700 (MST)
From: B61395@awtims.fe.anlw.anl.gov
Subject: ERP???

oops...

Well, we beat that one to death, guys ;-) ... Poor feller just asks a simple question... next we will be considering whether an op should be allowed to consider him/herself as QRP if they are operating a "store-boughten" rig.

(That's a joke -- I am NOT proposing that as a serious topic of discussion...)

Fer real tho -- does anyone have access to, source of, copies available, etc. of any or all of the many HW-8 mods??? I installed the S-meter mod in mine many years ago, but never got around to RIT or any others. Any info would be appreciated.

Also -- anybody kept track of Chris Hethorn, KM8X??? Used to operate a QRP parts mail order outfit back in MI -- he got me started with MI QRP. I've completely lost track of him.

73 to all -- Bill, KR8L, MI QRP # M-98 dit dit

From qrp-admin@Think.COM Fri Mar 11 13:22:39 1994
Date: Fri, 11 Mar 94 12:51:35 EST
From: Greg Buhyoff <BUHYOFF@VTVM1.CC.VT.EDU>
Subject: Forsale Schurr mini-paddle

I have a Schurr mini-paddle for sale. This is the Einbau Wabbler, for those of you who might be familiar with the Schurr line of keys. What it is, is the paddle mechanism for the Wabbler dual paddle. Einbau means (very literal translation) "make yourself". Well, there really is not anything to make, the entire paddle and contact assembly is there. You just fasten it to the "base" of your choice. Perfect for mobile, since it is ready to be fastened to a knee-board or your console. It is quite small and exceptionally well made (both cosmetically and mechanically). These sell for $115 dollars, new, at current exchange rates. I bought it about 2 months ago and used it several times. It

is in excellent condition with no blemishes. If you want to see a
picture (and review) see 73 magazine -- December 1992, pg. 44.
I am selling it for $70.00 which includes shipping.

Thanks, Greg KN4FR

From qrp-admin@Think.COM Thu Mar 10 09:26:22 1994
Date: Thu, 10 Mar 94 09:15:25 EST
From: kirk@arrl.org (Kirk Kleinschmidt NT0Z)
Subject: Garbage mail...

Greetings, fellow QRPers!

Just a thought:

Is it really necessary to post 300 messages a month idly wondering
when the QRP ARCI mag is going to arrive?

To quell any further inquiries, let me offer this observation:

When you look in the mailbox and see the 'Quarterly, it has arrived....

Next topic--an interesting one--please!

--Kirk, NT0Z
 QRP ARCI #5797

From qrp-admin@Think.COM Thu Mar 10 10:43:48 1994
Date: Thu, 10 Mar 1994 10:38:59 -0500
From: Brad Mitchell <bmitchel@CBA.Kodak.COM>
Subject: Re: Garbage mail...or not

> Greetings, fellow QRPers!
>
> Just a thought:
>
> Is it really necessary to post 300 messages a month idly wondering
> when the QRP ARCI mag is going to arrive?
>
> To quell any further inquiries, let me offer this observation:
>
> When you look in the mailbox and see the 'Quarterly, it has arrived....
>
> Next topic--an interesting one--please!

>
> --Kirk, NT0Z
> QRP ARCI #5797

I think there was a reason for this.. Doug Hendricks is attempting to send QRPp via bulk mail or something, and wanted to find out who is getting it when for future reference when to drop the newsletters off at the post office. No big deal, and I think reference to this will drop after this test. Maybe we could just mail to Doug direct if people find it anoying here on the server. Dougs e-mail is... dh@deneb.csustan.edu
73 all, happy qrp.

Brad WB8YGG

From qrp-admin@Think.COM Mon Mar 7 11:22:07 1994
From: "Kevin Anderson" <GGANDERSON@Augustana.edu>
Date: Mon, 7 Mar 1994 10:20:44 GMT-500
Subject: great circle routes -- long/short paths

Hey gang,

As a geographer (therefore supposedly some knowledge to speak from....), I would like to comment and ask questions on this long/short path issue.

Chuck mentioned he calculates "great circle routes" and "not the long paths" in determining awards.

By that he means, I assume, the SHORTEST distance between two places. That is the same as the great circle route (which is technically the largest circle, and there are many of these, that circle the earth and connect two places). By definition there is a short distance and a long distance both. Together they form the great circle. Chuck worries only about the short path when he plugs two sets of latitude/longitude coordinates into his program.

Many of you mention long path communications. I assume you mean the long distance part of the great circle route (i.e. 180 degrees off from the direct beam heading for the short route). Given one is using a beam, I assume you can make the conclusion that you are in fact communicating via long path.

Here is my neophyte radio question: How do you KNOW that is the means by which you communicated? Beam heading alone?, cause I understand beams, depending upon number of elements, etc., have radiation off the back end (albeit low) as well

as the forward. Since you are all QRP anyway, how do you
know the contact wasn't via QRPpppp levels off the back end
of your beam? It's my ignorance that causes me to ask,
since my experience (limited as it is) knows it can happen.
At Novice Roundup a short time ago, I made the initial
connection to a W1 (his CQ) while having the club beam (a 15m
Mosley) pointed at California (I had just been talking with
some W6s), then during the start of the QSO (his half) was
swinging the beam around to get him better.

Always curious and learning.....

72 de Kevin, KB9IUA
* *
Kevin L. Anderson, Geography Dept., Augustana College
Rock Island, Illinois 61201 USA phone: (309) 794-7325
e-mail: gganderson@augustana.edu or kla@helios.augustana.edu
* *

From qrp-admin@Think.COM Mon Mar 7 12:11:12 1994
Subject: Re: great circle routes -- long/short paths
Date: Mon, 07 Mar 94 12:11:24 EST
From: "John F. Woods" <jfw@ksr.com>

> Here is my neophyte radio question: How do you KNOW that is
> the means by which you communicated?

It's very simple; ask what time it is. Because the long path takes
longer, even at the speed of light, the other person's watch will
seem much slower if it's long-path propagation.

:-)

> Beam heading alone?,

This is a very good question; not only is there the question of the "gain"
of the back of the beam not being -infinity(dB), but you could also be using
backscatter of a short path, or even reflections (if your beam happens to be
pointed to something massive that could act as a reflector, maybe a large
radio tower or a mountain range).

A beam with 10dB of attentuation out the back would turn 5W into .5W ERP,
hardly a challenge for the hardy QRPer (and that corresponds, I think, to
a 5 element Yagi; a more typical (?) 3-element HF Yagi would be even softer).

John, WB7EEL

From qrp-admin@Think.COM Mon Mar 7 14:16:47 1994

Date: Mon, 7 Mar 94 11:16:29 -0800
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: Re: great circle routes -- long/short paths

Kevin and gang,

The question that Kevin asks is exactly the question in the
back of mind and a lot of other people's, "How do you know?".

Anyone who has been around has started a QSO with someone when
they had their beam pointed in the opposite direction. The
signals will pick up once the beam is turned around. I have to
do the 1,000 mile/watt award using the 'shortest' distance calculation.
It just makes life simplier.

Speaking of the 1,000 mile/watt award. It is awarded to any amateur
working another station, where ONE is or both are running 5W or less
and the distance between the stations divided by the lowest power level
yields 1,000 miles/watt or greater. NOTE: this means you don't have
to be the one running QRP, but you should be if you are a member of
this group. :-) (JOKE) The award costs $2 per certificate or 5 IRCs
for DX stations. Send application with photocopy of log and QSL card
to Chuck Adams, QRP ARCI Awards Manager, 830 Waite Drive, Copper Canyon,
TX 75067. The cost doesn't cover the cost of the certificate plus
the postage anymore, but hey, it's Christmas time. DON'T send more,
it's just a comment, nothing more.

While on the topic of awards, for the WAC and DXCC awards, we use the
GCR (General Certificate Rule) which means you show your cards to
two other amateurs and they sign a form (which you make up) that
shows they witnessed the cards. This keeps you from having to
trust the USPS with your valuable cards and me. :-) Both amateurs
should be General Class or better, though I don't see any reason
not to trust Novices, but that's the rule. I didn't make it up.
I have a form for the WAS (see think.com ftp directory for was.ps file,
which is a PostScript file for printing). which lists 50 states and
place for call, etc.

If you are a member of a club, send me a SASE with two units of
postage. I'll return to you a page on the awards, the WAS form,
and contest log forms, etc. You can then reproduce these to your
heart's content and distribute them profusely (sp?). We are in the
information age.

Back to the issue of QSLs. For us OF's, back in the ole days
we used to QSL 100%. I still do so or try. You'd be surprised
(maybe not) at the number that I get returned because they moved,
and this using the Oct '93 FCC database. I figure if you and I spent

some part of our lives taking to each other, even a quick exchange during a 'test, it surely deserves a card. I know that the economics gets to be an issue with some people. But with the number of people using $1,000 and up rigs, I don't wanna hear complaints about the cost of the cards and the postage. You get no sympathy from me. :-) That's why I build my own rigs, I have money left over to eat and send cards..... :-) Also, I know that there are some guys, and I see their posts on rec.amateur.radio.misc, that want an SASE if I want their cards. Give me a break guy, why are you so important?

OK, I apologize. Off the soapbox, but these are important issues in today's society and amateur radio in general.

With postage going up, I'm sure it's going to get worse. We just might have to go with photocopy of logbooks. If a person wants to falsify a document, they have a problem.

dit dit

EOT

Chuck Adams K5FO CP-60
adams@sgi.com

From qrp-admin@Think.COM Mon Mar 7 22:02:35 1994
Date: Mon, 7 Mar 1994 19:02:28 -0800 (PST)
From: Jack Fleming <oolon@eskimo.com>
Subject: Re: great circle routes -- long/short paths

On Mon, 7 Mar 1994, Kevin Anderson wrote:

> Given one is using a beam, I assume you can make
> the conclusion that you are in fact communicating via long
> path.
>
> Here is my neophyte radio question: How do you KNOW that is
> the means by which you communicated? Beam heading alone?,
> cause I understand beams, depending upon number of elements,
> etc., have radiation off the back end (albeit low) as well
> as the forward. Since you are all QRP anyway, how do you
> know the contact wasn't via QRPpppp levels off the back end
> of your beam?
>

> Always curious and learning.....
>
> 72 de Kevin, KB9IUA
> *
> Kevin L. Anderson, Geography Dept., Augustana College
> Rock Island, Illinois 61201 USA phone: (309) 794-7325
> e-mail: gganderson@augustana.edu or kla@helios.augustana.edu
> *
>

Good question. The best way to know is to ignore beam heading and rely on propagation. From Seattle we have some relatively reliable longpath opportunities. The morning on 20 meters into the south Indian Ocean or southern Africa (and extending into the Middle East and Europe sometimes) is the most reliable. 40 meters for the same path (and 80 meters!) will be there too. 20 meters pointing SSE to arrive at Sri Lanka or India is sometimes there in the evenings. And during the good old days of lots of sunspots - 15 meters (like 20 meters in the morning) into south Africa and the Indian Ocean in the evenings.

Turning the antenna both directions will show the stronger signal from the long path. Plus there is often NO shortpath at the time (no shortpath Europe on 40 in the morning from here and no shortpath to Africa (or anywhere else in that direction - but plenty of south Pacific and Australia along the longpath path) on 15 in the evening from here).

Bob Brown, NM7M, wrote an excellent book on longpath propagation recounting a year of working the longpath every morning. He sells it for $10 and it's worth the money if you are interested in this propagation mode.

To summarize - be wary of beam heading - rely on propagation paths.

73 Jack

Jack Fleming, WA0RJY oolon@eskimo.com
Seattle, WA DON'T PANIC!

From qrp-admin@Think.COM Tue Mar 8 09:31:23 1994
From: g-taylor4@tamu.edu
Date: 8 Mar 94 08:30:59 CDT
Subject: Re: great circle routes -- long/short paths

> Anyone who has been around has started a QSO with someone when
> they had their beam pointed in the opposite direction. The

> signals will pick up once the beam is turned around. I have to

Provided, of course, one has a beam. Otherwise, you can pretty well tell
by how the signal sounds, typical propagation patterns for that time of
day and/or by listening to the other folks on the band with beams talk
about how they are having to turn them to do a long path qso.

72, Greg, KD4HZ


```
*******************************************************************************
Dr. Gregory S. Taylor               !MAIL:  110 Dairy Science Building
Extension Program Leader for        !       College Station, TX 77843-2124
  Community Development             !VOICE: 409-845-4445
Texas Agricultural Extension Service!FAX:   409-847-8744
Texas A&M University System         !EMAIL: Reply or g-taylor4@tamu.edu
*******************************************************************************
```


From qrp-admin@Think.COM Tue Mar 8 19:43:21 1994
Date: Tue, 08 Mar 1994 19:42:16 -0500 (EST)
From: DSLADE@delphi.com
Subject: help with transistor ID

Hello fellow qrp'ers from K2SJB, Dave in Ithaca, N Y.
I have here 4 transistors that I think are MRF 472's.
The numbers on them are the Motorola M 0144, with 724 underneath.
Can anyone tell me what these are? Want to use them in
a 40 meter push-pull final from qrp classic's book.
73, Dave Slade, K2SJB dslade@delphi.com

From qrp-admin@Think.COM Mon Mar 7 18:50:43 1994
Date: 07 Mar 1994 17:00:17 EST
From: "JHeise" <HARRIS.JHEISE@IC1D.HARRIS.COM>
Subject: History of QRP... Address

 Reference the note on the returned correspondence on Milliwatt Press.

 I think the address given is correct, but I don't believe that
 Milliwatt Press exists any more. Try:

 Adrian (Ade) Weiss, W0RSP
 833 Duke St #83
 Vermillion, SD 57069

 I believe this is still correct for Ade, because he gave this address

in a letter to the editor of the MI QRP Club Newsletter. He quoted a couple pages of one of his books there in the last issue. Ade said that he was very busy and had not had much time for QRP lately.

I don't know if he still has copies of either "The History of QRP in America" or "The Joy of QRP." I had the opportunity to borrow and read both of them from a friend recently. It would be great to see Ade update and reprint, or just reprint both those books. Ade is, or at least was, an English professor. He chose to use his talents to reseach and write about a subject which he loved. That helped make them such interesting reading.
GL & 72/73 Jan WA4VQD jheise@ic1d.harris.com

From qrp-admin@Think.COM Tue Mar 8 10:10:06 1994
Date: Tue, 8 Mar 94 09:08:33 CST
From: rand@zeta.sps.mot.com (Rand Gray)
Subject: Re: History of QRP... Address

Hi Folks,

I ordered and received a copy of Adrian Weiss's "The History of QRP in America". I put in the order to the Duke Street address about the end of January; received the book about the end of February.

It is, in fact, a neat book; however, be aware that it covers the history only up till 1960. That said, it is really interesting, and quite revealing: there has been a long-standing tradition of QRP'ers going back to the very beginnings of amateur radio.

Good QRP-ing,

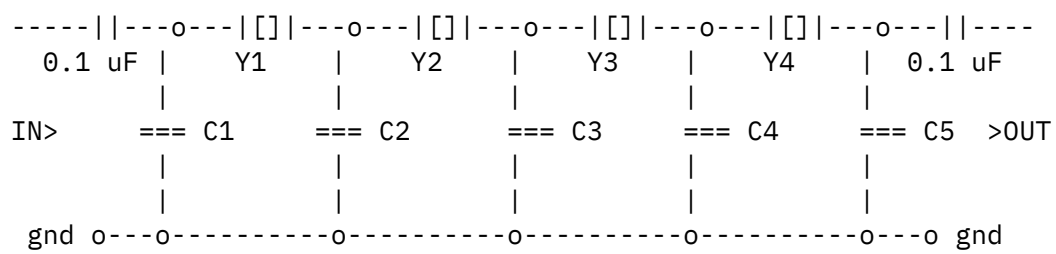
Rand W1GXN

From qrp-admin@Think.COM Tue Mar 8 11:43:10 1994
Date: 09 Mar 1994 00:43:50 +0700 (SST)
From: ASIRENE@v9001.ntu.ac.sg
Subject: How to improve this filter.

Hi again,

This isthe filter I am trying to improve. I hope someone out there can suggest some improvements I can perform to it. Its 4 crystals, 600 Hz BW (6dB), and I guess the characteristic impedance to be 50 ohms at both ends.

Here's what my filter looks like right now:-



Y1-Y4 12 MHz crystals
C1,C5 100 pF
C2,C4 560 pF
C5 1000 pF

Would appreciate any advice, especially to get it to better selectivity or narrower to about 400 Hz say.

73,
Daniel

From qrp-admin@Think.COM Sat Mar 12 00:59:22 1994
Date: Fri, 11 Mar 94 19:59:08 HST
From: Jeffrey Herman <jherman@uhunix.uhcc.Hawaii.Edu>
Subject: HW-8 for sale

Gang - I pulled this off of rec.radio.swap.

Jeff NH6IL

From: mosier@fagan.uncg.edu (Stephen Mosier)
Newsgroups: rec.radio.swap
Subject: HW-8 QRP Rig
Date: 8 Mar 1994 18:34:32 GMT
Organization: University of North Carolina at Greensboro

Heathkit HW-8 5-band QRP rig with power supply and manual. Works perfect - I worked last year's CQWW contest with it, using only an 80m Zepp dipole. Its a lot of fun. The power supply does induce some hum in the receiver, but I've always preferred to use the power supply to charg
From qrp-admin@Think.COM Thu Mar 10 07:38:34 1994
Date: Thu, 10 Mar 94 07:35:49 EST
From: skitch@NADC.NADC.NAVY.MIL (M. Squicciarini)
Subject: INET team for contest

So far I have three responses for the INET team for the Spring QRP ARCI contest. If I get enough to make two

teams I will. I think the competition will be great.

I've heard from the following so far;

Jeff AC4HF
Chuck K5FO
ED KB5RUF

If you would like to participate let me know.

73 -- marty -- nr3z skitch@nadc.navy.mil

From qrp-admin@Think.COM Wed Mar 9 08:11:56 1994
Date: Wed, 9 Mar 94 08:10:14 EST
From: skitch@NADC.NADC.NAVY.MIL (M. Squicciarini)
Subject: Inet team for tst

Would anyone like to form an internet team for the Spring contest? I'll volunteer to be captain. If you're interested send me a note.

73 -- marty -- nr3z skitch@nadc.navy.mil

From qrp-admin@Think.COM Sat Mar 5 11:06:39 1994
Date: 05 Mar 1994 10:59:10 EST
From: "JHeise" <HARRIS.JHEISE@IC1D.HARRIS.COM>
Subject: INTERNET VIA DELPHI

QRPers

A fellow ham gave me this info regarding outside sources to the internet. I know there have been some inquires in the past as to places to access the service.
72/73 Jan, WA4VQD jheise@ic1d.harris.com

I called a company that I got a add from (DELPHI)about internet connections.

Here is what they told me.

You can try it for 5 hour FREE-
For Free 5 hrs, call 1-800-365-4636

press return twice
At usedname, enter JOINDELPHI
At password, enter RW34

RATES

10-4 plan
$10.00 pre month/ 4 Hours additional 4.00/hr
No Connection FEE

20-20 plan
$20.00 /month 20 hours use additional hr $1.80
Connection Fee of 19.00

For more info, call (VOICE) 1-800-695-4005.

I thought you may know someone interested in this and did
not have easy access or doesn't have access.
Don AF4Z

From qrp-admin@Think.COM Mon Mar 7 09:12:42 1994
Date: Mon, 7 Mar 1994 8:12:30 -0600 (CST)
From: KELL@ASD2.JSC.NASA.GOV
Subject: Re: INTERNET VIA DELPHI - a cheaper alternative

> QRPers

> A fellow ham gave me this info regarding outside sources
> to the internet. I know there have been some inquires in
> the past as to places to access the service.
> 72/73 Jan, WA4VQD jheise@ic1d.harris.com

> I called a company that I got a add from (DELPHI)about
> internet connections.

> Here is what they told me.

> You can try it for 5 hour FREE-

From qrp-admin@Think.COM Wed Mar 9 10:55:35 1994
Date: Wed, 9 Mar 94 10:54:31 -0500
From: okas_rp%ncsd.dnet@gte.com

Subject: Just curious...

Hello All,

I've been patiently checking my mailbox for a week now, waiting for the latest installment of QRPp to arrive. Alas, I must report that as of yesterday, it hasn't shown up. Has anyone on the East Coast received their's yet / still waiting? My post office is notoriously slow at times and surely the foul weather last week didn't help matters any...

73/2,
Bob - N3MBY

From qrp-admin@Think.COM Wed Mar 9 13:36:41 1994
Date: Wed, 9 Mar 1994 12:36:23 -0600 (CST)
From: KELL@ASD1.JSC.NASA.GOV
Subject: re: Just curious...

QRPp has not yet arrived here in Houston either.

Ted

From qrp-admin@Think.COM Wed Mar 9 16:42:48 1994
From: g-taylor4@tamu.edu
Date: 9 Mar 94 15:41:55 CDT
Subject: re: Just curious...

> QRPp has not yet arrived here in Houston either.
>

Or College Station, ..Greg KD4HZ

Dr. Gregory S. Taylor !MAIL: 110 Dairy Science Building
Extension Program Leader for ! College Station, TX 77843-2124
Community Development !VOICE: 409-845-4445
Texas Agricultural Extension Service!FAX: 409-847-8744
Texas A&M University System !EMAIL: Reply or g-taylor4@tamu.edu

From qrp-admin@Think.COM Wed Mar 9 15:10:11 1994
Date: Wed, 09 Mar 1994 11:54:02 -0700 (PDT)
From: CLAYTOND@gvg47.gvg.tek.com
Subject: K1BQT QRP 20 TRANSCEIVER

HELP! 3 YRS AGO I BOUGHT THE QRP 20 THRU RADIOKIT. JUST NOW PUT IT TOGETHER. I AM HAVING PROBLEMS WITH THE TRANSMITTER MIXER (NE602) PUTTING OUT ALL SORTS OF HARMONICS (2,6,8,10,14,16,18). WERE THERE SOME CANGES TO THE DESIGN WHICH

MIGHT HAVE BEEN MADE SINCE EARLY IN 1991 WHICH MIGHT AFFECT THIS PART OF THE
TRANSMITTER CIRCUIT. ANY OTHER IMPROVEMENTS TO THE OVERALL DESIGN OUT THERE??
THE RECEIVER SIDE SEEMS EXCELLENT. I KNOW RADIOKIT SUCKS BUT WITH YOUR HELP
I'LL GET THIS BEAST RUNNING.

From qrp-admin@Think.COM Wed Mar 9 16:19:19 1994
Subject: Re: K1BQT QRP 20 TRANSCEIVER
Date: Wed, 09 Mar 94 16:20:08 EST
From: "John F. Woods" <jfw@ksr.com>

> I AM HAVING PROBLEMS WITH THE TRANSMITTER MIXER (NE602) PUTTING OUT ALL SORTS
> OF HARMONICS (2,6,8,10,14,16,18). WERE THERE SOME CANGES TO THE DESIGN WHICH
> MIGHT HAVE BEEN MADE SINCE EARLY IN 1991 WHICH MIGHT AFFECT THIS PART OF THE
> TRANSMITTER CIRCUIT. ANY OTHER IMPROVEMENTS TO THE OVERALL DESIGN OUT THERE??
> THE RECEIVER SIDE SEEMS EXCELLENT. I KNOW RADIOKIT SUCKS BUT WITH YOUR HELP
> I'LL GET THIS BEAST RUNNING.

I bought one of those about 5 years ago, and never had it working to my
satisfaction. Of the many problems I think I identified, the mixer was
fairly obvious (I hope) and easily fixable. The VFO injection voltage to
the NE602 was far higher than what I think is reasonable; the spec sheet for
the NE602 specifies a 3rd-order intercept point of -17dBm, and a 1dB
compression point of about -25dBm input. The Radiokit circuit (and several
others I've seen) tried to feed about 0dBm (~1V into 1500 ohms) to the mixer.
Result, lots of crap coming out. I used a resistive pad to drop the input
level; probably not enough, but it cleaned up the signal coming out of the
mixer visibly (according to my scope). Unfortunately, I seemed to be plagued
with ground loop problems (key down for more than a second and the signal
(viewed on a scope) got really ugly, and I never finished debugging the thing.

A general comment on NE602s as transmit mixers: looking at the intermod
graph, it looks like the NE602 should really be fed about -30dBm input, which
will give an output of -10dBm fundamental and -40dBm 3rd-order response,
which should be a piece of cake to clean up. As near as I can tell, the
original K1BQT design got more spurious energy out of the mixer than
carrier...

73, John, WB7EEL

From qrp-admin@Think.COM Wed Mar 9 18:13:12 1994
Date: Wed, 9 Mar 1994 18:12:46 -0500
From: fkf1@cornell.edu (F. Kevin Feeney)
Subject: LDE's

>
>Don't think so. Hearing a piece of your own signal over a 'round the
>planet path isn't all that uncommon on 15 meters if you have a good qsk
>rig and an omnidirectional antenna. The total delay is *roughly* 140 ms,

>which is far longer than the qsk turnaround for my omni v. A few years
>ago when the solar flux was a bit healthier, I'd hear my "echoes" on 15
>on more or less a weekly basis, especially early in the mornings. As I
>recall, LDEs involved delays on the order of several *seconds*, and were
>never explained. I personally think they probably were a hoax.
>
>
>73,
>Steven Farmer WA5RPF
>sfarmer@trc.amoco.com

I don 't - I had one. I was on 15 meters using a Knight T-60 and an HQ170 with a manual TR switch. I'd just finished calling a dx station, flipped the big switch (a lot longer than 140 ms) and there was someone sending on the freq. It took me a couple of seconds to recognise the fist as *my own*, and with shock I copied my own call and the 'K' at the end. Total time of the echo was probably 10 seconds copied at my end. Maybe somebody with a tape recorder... definately was my fist and call.

FWIW

73 de Kevin, WB2EMS
(who is having a great time with his NORCAL 40 and still waiting for QRPp in Ithaca, NY)

(hmmm, while I'm here - can somebody post the instructions for the extended tuning mod for the norcal. I've been waiting at the mailbox for QRPp to arrive but it seems it will be a while yet, and tomorrow might be a snow day - perfect to play qrp between shovelling the roof off to prevent collapse...)

From qrp-admin@Think.COM Tue Mar 8 17:38:36 1994
Date: Tue, 8 Mar 94 17:28:52 EST
From: "Henry T. Rand Jr." (FSAC-AAD) <rrand@PICA.ARMY.MIL>
Subject: Longest Distance

I have made many QRP contacts over 8000-9000 mile paths to places like ZL, VK and YB. Some of these have been done with milliwatt power and some with milliwatt power in my pre-tower/KT34XA days. It is not all that difficult to do when propagation conditions are favorable.

There were a few instances where I heard my own signal as an echo. I remember hearing this a few times on 15 and 12 meters. It was confusing the first time as I though someone else was on frequency (I was using full break-in on CW) but every time I stopped sending to listen the signal stopped. It wasn't too hard to figure out it was an echo. I just sent single dits at high speed and

listened. Time delay was a small fraction of a second. I never attempted ot
to measure it. So, it is possible for a signal to propagate completely
around the world and be heard by the originating station. What is amazing
though is that it could happen with 4 watts and a dipole.

These long distance paths are where a beam really starts to make a difference.
Reducing the number of hops with a lower takeoff angle lowers the absorption
and allows the QRPer to be heard better or just heard at all. Height of the
beam also has a great effect. When I put up the tower and the XA, I noticed
immediately great improvements over my roof mounted(4 ft above) A3 triband
yagi. Under the right conditions though even a wire will get you through.
You just have to wait for them.

Randy Rand AA2U
rrand@pica.army.mil

From qrp-admin@Think.COM Wed Mar 9 12:36:54 1994
Date: Wed, 9 Mar 94 09:42:28 PST
From: Mike J Pulley <Mike_J_Pulley@ccm.hf.intel.com>
Subject: Longest Distance

[From Randy Rand, AA2U, rrand@pica.army.mil, 9 March 1994]

> There were a few instances where I heard my own signal as an echo.
> I remember hearing this a few times on 15 and 12 meters. It was
> confusing the first time as I though someone else was on frequency
> (I was using full break-in on CW) but every time I stopped sending
> to listen the signal stopped. It wasn't too hard to figure out it was
> an echo. I just sent single dits at high speed and listened. Time
> delay was a small fraction of a second. I never attempted ot to
> measure it. So, it is possible for a signal to propagate completely
> around the world and be heard by the originating station. What is
> amazing though is that it could happen with 4 watts and a dipole.

Is this an example of what used to be called long-delay echoes
(LDEs)? I haven't heard much about this phenomenon since 10-15
yrs ago when LDEs were The Big Mystery.

Regards,

-- Mike, WB4ZKA

==
Mike Pulley Intel Corporation
Phoenix, Arizona (USA) Mike_J_Pulley@ccm.hf.intel.com
Callsign: WB4ZKA
QRP rig: MFJ-9020 20m CW, Ten-Tec PM2-B
QRP ant: Butternut vertical at ground level

QRP interests: Operating (WAS or bust!)
==========

From qrp-admin@Think.COM Mon Mar 7 11:01:19 1994
Date: Mon, 7 Mar 94 08:00:08 PST
From: dh@deneb.csustan.edu (Doug Hendricks)
Subject: March NorCal Meeting

The March meeting of the NorCal QRP Club was held on Sunday March 6 at the California Burger Restaurant off the Santa Rita Exit on I-580 north of Livermore. Over 50 members attended and there was a ton of QRP gear to look at. Attending members all received a beautiful 4 color club logo patch that was donated by Denis Englander, KD6ETI. Doug, KI6DS, handed out small, 4 1/4" x 5 1/2" Mobile/Portable log books that the club will be selling in the future. If you can attend a meeting, there are usually freebies handed out, another reason to attend.

Jim Cates, WA6GER, had the new Index Labs QRP Plus rig, and it is beautiful. Very small in size compared to the Tentec Scout, and sounds really good. Jim also brought his "Ugly" constructed NorCal 40. He has the transmitter and VFO finished, sure will be fun to see if he can get it to work. I knew someone was going to build one of the NorCals the "Ugly" way.
Bil Paul, KD6JUI, had a unique rig. It was a 2 band 20 and 40 meter rig that was built from the Oak Hill Research Spirit kits and placed in the same cabinet, one on top of the other. The 20 meter rig was on the front panel, and the 40 meter rig on the back. Nifty job. Kent LeBarts, KK6IU had his Super Cmos II keyer that was mounted in a clear acrylic case with a set of Bencher paddles. Everyone like it and you could see the wheels spinning. Grover Cleveland, WT6P, had a cubic incher rig, a 40 meter transmitter that is built in one cubic inch. The Crystal was bigger than the rig. Doug, KI6DS, brought his "Bob Warmke Modified" NorCal 40. It has all of the mods that were published in the March issue of QRPp in it. Wayne, N6KR, Doug, KI6DS, and Bob, W6CYX all had prototypes of the Sierra, the Club's next project. Bob's was beautifully painted, and silk screened by Stan Cooper, K4DRD, who by the way, silk screened 10 sets of NorCal 40 panels for members. Wayne's Sierra had the keyer and S meter options installed. Really neat. He uses a bar graph for the S meter, and has installed a Curtis Keyer chip with controls on the front panel. He is planning to offer it as an option for the Sierra. Doug's Sierra was a stock model, showing what the basic kit will be. The Club will send a brochure to ALL members when we are ready to take orders. It looks like we should send the brochure out the first of May. As I mentioned above, Stan Cooper had his Screen Printer there, and was busy screening panels. If you would like your NorCal panels screened, send them in a floppy disk mailer, along with a self addressed mailing label, and return postage, to Stan Cooper, K4DRD, 1390 Market St., #2024, San Francisco, CA 94102. Do not send any money, and please send

stamps for return postage.
 The March issue of QRPp was mailed Feb. 28th but was sent bulk mail. I have learned that it will take several days for it to arrive. The next issue will be mailed the 15th of May, so that it will arrive around the first of the month, or before. By the way, the information provided here is not for business of any kind. It is intended as information for NorCal members and others who are interested in QRP information. Packet Policemen, please stop sending me flaming packets criticizing my packets. NorCal is a club, and no one is making a profit on anything, everything the club does is non profit, in fact, it has cost some members money.

72, Doug
KI6DS

From qrp-admin@Think.COM Sun Mar 6 10:54:16 1994
Date: Sun, 6 Mar 94 10:54:00 EST
From: mgseyle@super.org (Melvin G. Seyle)
Subject: MFJ-9017

I have an MFJ-9017. The audio stage seems to produce more noise than signal. I knew that the volume was rated low before I bought the rig, but I didn't count on the audio noise.

Has anyone else observed this? If so, is there a mod that might help?

Thanks.

Mel
mgseyle@super.org
WA3KZR

From qrp-admin@Think.COM Fri Mar 11 12:16:35 1994
Date: Fri, 11 Mar 94 09:23:05 PST
From: Mike J Pulley <Mike_J_Pulley@ccm.hf.intel.com>
Subject: MFJ-9020 Blows Fuse Over SWR?

Text item: Text_1

 My MFJ-9020 popped a fuse yesterday during normal operation and I wonder...

 1. if anyone else has experienced similar behavior, and

 2. does my hypothesis about the cause hold water?

The 9020 is 3 weeks old. I had been chatting with a station in VA for about half an hour. At one point, just as I began to transmit, the internal PC trace fuse link blew. (It is nominally there to prevent damage in case of reversed power supply polarity. Clearly that was not the case here.) I repaired the fuse and everything works fine again.

The antenna I'm using presents about 3:1 SWR in the 20m CW band. (Don't flame me about using an impure antenna. I'm temporarily using our club station antenna which is normally corrected by an internal antenna tuner on the club's TS-440S. My own antenna will be pristine at 14.060.)

Here's my theory:
The high SWR causes abnormally high power supply currents in the xcvr which caused the fuse to wear out after a dozen hours or so.

If my theory has too many holes, I will have to search for an intermittent component failure as the cause. CORRECTION: MFJ will have to search for the failure; I will ask for a replacement.

Any opinions? Please respond to me directly. I will post a summary of the replies to the QRP mailing list if I get any.

Regards,

-- Mike, WB4ZKA

==========
Mike Pulley Intel Corporation
Phoenix, Arizona (USA) Mike_J_Pulley@ccm.hf.intel.com
Callsign: WB4ZKA
QRP rig: MFJ-9020 20m CW, Ten-Tec PM2-B
QRP ant: Butternut vertical at ground level
QRP interests: Operating (WAS or bust!)
==========

From qrp-admin@Think.COM Wed Mar 9 09:29:23 1994
Date: 09 Mar 1994 08:29:08 -0600 (CST)
From: KANAMAA%AMGATE%MATRXA@randb.abbott.com
Subject: Microwaves: Real QRP

From: Kana, Michael (D9CY)
Date: Wed, Mar 9, 1994 8:29 AM
Subject: Microwaves: Real QRP

To: QRP Group
Howdy All

Laura said in her posting:

When people play with microwaves it's not uncommon to feed 10 mW to a 50 dBi gain antenna for an ERP of 100 Watts. But since microwaves tend to be a field of low power (priced any TWTs lately? :-), high antenna gain and high ERP, QRP isn't a term people use once the frequency gets up into VHF and above.

I have to agree. My 5.760 GHz station mixer puts out -13dbm. Luckily, I have a surplus amplifier that will take the mixer out and deliver a whopping 10dbm signal (10 mw). When I'm on a real power trip, I boost the mixer output to 0dbm (1mw) then feed a power amp for 8 watts out. After loosing half my power in the feed line (heatin' the Heliax), I end up with about 4 watts at the dish feed. With an antenna gain of about 43dbi, I DON'T stand in front of the dish!

73's de AA9IL
Mike Kana

From qrp-admin@Think.COM Mon Mar 7 14:22:22 1994
Date: Mon, 07 Mar 1994 13:21:14 -0600 (CST)
From: "JEFF M. GOLD" <JMG@tntech.edu>
Subject: miles per mw

OK,

here is a low power story from testing out my Lightning Bolt 5 band 2 element quad:

WS4S, the only other QRPer in town came over the same evening to help work on a friend's tube rig. He had to play with the new antenna before we started on the rig. The first thing he did was turn the power on the rig down to 1 watt and worked 4X1EL, after which I worked him also. He turned the power down to 20 MW and worked Z36CXN in Macedonia. I really wanted the same station, so I cheated and cranked the power all the way up to 70MW.

Next he turned the power to 50 mw and called CQ once. He said, "this is futile." He called one more time and YO8CDC came back to him. He talked to this guy on 20 meters and turned the power down to 10mw. The RST was 549.

Next he worked HA5HC in Hungary. He started with 50mw and the RST was 579. He started chatting and turned the power down to 10mw. The RST was now still 579 and Emil reported the signal was nice and strong. Next he turned the power to 1mw and the RST was still a 559. Conard, WS4S talked with Emil, HA5HC for quite some time on VERY LOW POWER.

72

Jeff, AC4HF

From qrp-admin@Think.COM Fri Mar 11 17:33:34 1994
From: mvjf@mvubr.att.com
Date: Fri, 11 Mar 94 17:16 EST
Subject: Myron Koyle

Myron, N8DHT is now available via e-mail. 72530.1666@CompuServe.COM
Myron is the QRP Hotel manager for Dayton Hamvention and the
Sec./Treas. for QRP-ARCI.

He is now attempting to subscribe to IQRP if he is not already here.

W1FMR

From qrp-admin@Think.COM Thu Mar 10 05:29:30 1994
From: jjw@seastar.org (John Welch)
Subject: Need filter tables
Date: Wed, 9 Mar 1994 16:38:03 -0600 (CST)

I'm working on designing an 8-pole Chebychev crystal filter, using the equations and techniques in the May 1982 QST article, "A Unified Approach to the Design of Crystal Ladder Filters." Unfortunately, the table of normalized k and q values for a 0.1db ripple filter provided in the article only goes up to order 5.

It seems to imply these (and the pre-distorted tables) are from the Handbook of Filter Synthesis by Zverev, which I cannot find locally (the library here is *horrible*). If anybody is familiar with this article and/or this Handbook and would be so kind as to send me a copy of the tables, I'd appreciate it very much.

--
John Welch, N9JZW

From qrp-admin@Think.COM Thu Mar 10 11:43:47 1994
From: Tom_Jennings <jennings@eng115.rochny.uspra.abb.com>
Subject: Need NN1G 20m xcvr info
Date: Thu, 10 Mar 94 11:45:00 EST

Hi,

I have decided to build the 20m version of the NN1G xcvr, but

I do not have the original article. So I would like to make
arrangements with some one would be willing to supply me it.
Please e-mail direct.

Thanks and 73

TJ, kv2x

--

 |
Thomas J. Jennings | Tel: (716) 273 7071
Development Engineer | Fax: (716) 273 7262
 |
ABB Process Automation |
Post Office Box 22685 |
Rochester, New York 14692-2685 |
 |

Internet: jennings@jennings.rochny.uspra.abb.com

From qrp-admin@Think.COM Sat Mar 5 17:45:26 1994
From: mvjf@mvubr.att.com
Date: Sat, 5 Mar 94 17:36 EST
Subject: Net

Bob, N1PWO/inet
Very nice to hear you check into the net this morning. Excellent
signal with the HW-8. Everyone on the net copied you on the first
attempt.
The QRP Club of New England is offering a $40 superhet rcv, VFO
transceiver kit. It contains everything but case, connectors,
controls (pots etc....).
A run of 50 rigs is planned and 42 are spoken for as of Fri. evening.
A $20 deposit holds one, which will be available in April.
I used the prototype and it beats the HW-8 by a mile in the rcv dept.
(I have 2 HW-8s)

The club treasurer taking deposits:

Paul Kranz, W1CFI
26 Mettacomett Path,
Harvard MA. 01451

Look for the multi-band Sierra kit, available from the Northern Cal.
QRP club soon.

You just missed a terrific rig....The NC-40 (200 rigs) was a
sell-out and started a tremendous wave of home building on the net.

72 Jim, W1FMR NH

From qrp-admin@Think.COM Mon Mar 7 12:09:11 1994
From: mvjf@mvubr.att.com
Date: Mon, 7 Mar 94 12:01 EST
Subject: Net

I wish to apologize to far away stations (small dx)
trying to check into the Northeast (NEN) net on Sat. morning.
The Net is still in the process of trying to get it right.

W8JRO and KI4IO and AA4?? checked in and promptly left the net.

They should have been asked to please stand by to call CQ.

When finally it came time to ask them to CQ, they were gone.

I hope this can be corrected next week.

Im afraid, by the time Net technique is mastered, all you
dx stations will have given up.

There were about 24 check-ins, mostly 1,2,3 call areas
with a few 4 and 8s.

NR3Z, N1PWO, KA0IQT, W1FMR, VE3DRB have checked in /inet
that I know of so far.

PS.... W1CFI... Will you pls pass this along to Greg ?

Thanks

Jim W1FMR

From qrp-admin@Think.COM Thu Mar 10 12:42:40 1994
From: Bruce Walker <bruce@Think.COM>
Date: Thu, 10 Mar 94 12:42:31 EST
Subject: Netiquette

Sorry, everybody, but I must take the time to remind this list about some very basic netiquette. Being radio folk, not to mention QRPers, we all should understand the concept of signal-to-noise ratio. It is also in our collective interest to keep the S/N ratio on this group as high as we can. It's really quite easy.

Please THINK BEFORE YOU POST to this (or any other mailing list, for that matter). Hundreds of people read every message that is sent. Many of these people actually pay for the service of getting mail.

I could go on and on, but Trey, WN4KKN, put it extremely well in a message to his CQ-Contest list [reprinted with permission from Trey] a few months ago. All of the things he says apply to QRP as well as CQ-Contest:

> To: cq-contest@TGV.COM
>
> Please take a moment to read and consider what I say in this message.
>
> I have been meaning to make this posting for a long time, but I really don't care much for the role of net-police. Many subscribers to this forum have sent me private messages indicating a desire to improve the signal-to-noise ratio of what appears in their mailbox. In particular, people have asked if I can set up the mailing list so that it will stifle the "boring stuff" and refelct "only the interesting messages." This is not possible without RMM (Read My Mind) technology, which is not available at this time.
>
> Hint #1:
> When I started doing wireless, I was told that the best filter for copying CW was the one "between your ears." This bit of wisdom applies to electronic mail messages as well.
>
> CQ-Contest an "unmoderated" forum, which means I don't screen or censor any messages. Therefore each person who posts a message must take personal responsibility to ensure that what they say adds some value to the forum. Examples of this are covered in the Frequently Asked Questions (FAQ) list. I am going to review a few of them here.
>
> Hint #2:
> > Most answers should go directly to the person who posed the question,
> > rather than to the list.
>
> This seems obvious to me, but often this advice is not followed.
>
> Hint #3:
> > Would you pay $0.50 to read the message that you just wrote?

> If I were paying $0.50 per message to read this stuff, I would be
> really pissed. Maybe a better way of phrasing this would be "would
> you pay $5.00 to *post* the message you just wrote?" In other words,
> is what you have to write so important that you would be willing to pay
> $5.00 to make everyone else read it. Think of messages to individuals
> as being free, but messages to CQ-Contest as costing $5.00 each.
>
> Hint #4:
> > Avoid messages that are a complete reprint of someone else's
> > message, with nothing but "I agree" or "Me too" added to the bottom --
> > not much value there.
>
> Here is an example that incoroporates 2, 3, and 4: "Who else thinks
> the change to 36 hours for single op in WPX is lame?" All responses
> should go back to the person who posed the question, *not* to the
> list. If the asker gets an interesting list of responses, he should
> post a summary back to the list.
>
> Hint #5:
> If you get a private message from me reminding you to follow the forum
> guidelines, take the hint. I have sent message to several people that
> said "please do not make XYZ type postings." Most people have honored
> these requests by not making XYZ postings. This is great. However,
> there are a few people who have reacted by posting messages that say
> "I know Trey asked me not make XYZ postings but here is an another XYZ
> posting." Sigh. This is not exactly what I was hoping for. Please,
> take the hint.
>
> See you on the net.
>
> --Trey Garlough, WN4KKN/6
> trey@tgv.com

Most of the hundreds of people who read this list don't care whether QRPp has appeared in your mailbox today, especially since they already knew that it hadn't shown up yesterday. That's not to say that there isn't a polite way to make these kinds of inquiries. If you fear that there was a delivery problem with your QRPp, there's nothing wrong with posting a query to the net, like:

> "I haven't received my QRPp yet, and I'm worried there is a delivery
> problem. Please mail to me directly if you have received yours or know
> anything about a possible delay, and I will summarize what I learn back to
> the list in a day or two."

Please try to keep this list as interesting as possible. I do not have time to moderate (filter) it, but if we are all considerate, that shouldn't be

necessary anyway.

--bruce WT1M

From qrp-admin@Think.COM Thu Mar 10 14:19:40 1994
Date: Thu, 10 Mar 94 11:25:38 PST
From: Mark E Gustoff <Mark_E_Gustoff@ccm.hf.intel.com>
Subject: Re: Netiquette

I DO HAPPEN TO CARE WHEN OTHERS GET THEIR ISSUE OF QRPp, AND THOSE ARE
THE ONLY MESSAGES (Based on header) THAT I'VE BEEN READING IN THE PAST
FEW DAYS.

==========

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See you on the net.

--Trey Garlough, WN4KKN/6
trey@tgv.com

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--bruce WT1M

From qrp-admin@Think.COM Thu Mar 10 17:10:14 1994
From: wb9omc@ecn.purdue.edu (Duane P Mantick)
Subject: Re: Netiquette
Date: Thu, 10 Mar 1994 17:08:30 -0500 (EST)

> I DO HAPPEN TO CARE WHEN OTHERS GET THEIR ISSUE OF QRPp, AND THOSE ARE
> THE ONLY MESSAGES (Based on header) THAT I'VE BEEN READING IN THE PAST
> FEW DAYS.

Well, with all due respect, I get rather sick and tired of having to filter through a zillion "me too" messages just to read one message of actual QRP information. Perhaps those folks who are concerned about when the XYZ-QRP journal arrives could take such matters to private email......

Duane
WB9OMC

From qrp-admin@Think.COM Sat Mar 5 09:26:10 1994
Date: Sat, 5 Mar 94 06:25:55 -0800

From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: nets

Gang,

i know a bunch of you have QRP nets that you check into
or run informally with local groups.

please mail me a quick note giving a short description
of same. i already have the QRP ARCI net info. i will
summarize and post to the mailing group here, so no need
to post to the group directly, thus we will reduce th
traffic on this group.

NOTE: you can see what is going to happen when the rest
 of the world gets on "the information superhighway".
 personally, i'd rather have too much information than
 not enough. the human mind is the best filter of information
 ever made.

dit dit
Chuck Adams K5FO CP-60
adams@sgi.com

From qrp-admin@Think.COM Sat Mar 5 20:44:00 1994
Date: Sat, 5 Mar 94 17:43:42 -0800
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: NN1G XCVR

Gang,

there may be well over 350-400 NN1G xcvrs built and working
at the present time!! this includes the Mark I and Mark II
models and there is no way to tell the distribution of
bands. my guess would be that more than 60% are on 20Meters.

FYI dit dit

p.s. i get these numbers from the number that Dave B. NN1G and
Dan Stevig gave me in conversations over the phone.

Chuck Adams K5FO CP-60
adams@sgi.com

From qrp-admin@Think.COM Thu Mar 10 01:12:22 1994
Date: Thu, 10 Mar 1994 1:09:58 -0500 (EST)
From: FOXG@WCSUB.CTSTATEU.EDU
Subject: no QRPp

I was starting to think Frank (my mailman) had taken up QRP and was
reading my mag (like I'm sure he does my other mags!). Now I know
even Frank is waiting for QRPp.
Geoff WA1U in CT

From qrp-admin@Think.COM Tue Mar 8 16:00:00 1994
Date: Tue, 8 Mar 94 12:53:12 -0800
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: Novices

Gang,

all of you who are Novices on this group, please please notify
us via this group the week before the April contest if you are
going to operate. we will make every effort to work you during
the test. it gives us points and it surely will speed you up
and get you ready for the Extra test. :-) we promise not to
go too fast.

dit dit

p.s. "by us" I mean the entire QRP Internet group, not just myself.

Chuck Adams K5FO CP-60
adams@sgi.com

From qrp-admin@Think.COM Sun Mar 6 15:24:14 1994
Date: Sun, 6 Mar 94 12:23:58 -0800
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: Official QRP levels

The official QRP ARCI levels for QRP operation are

5W output for CW

10W PEP output for SSB
5W output for all other modes (digital, SSTV, etc) and FM without repeater

I don't have a ruling on use of satellites, but there have been
a series of articles on same in the QQ.

ARRL in their contests and CQ in theirs recognize the same power
levels as above for their QRP divisions.

dit dit
Chuck Adams K5FO CP-60
adams@sgi.com

From qrp-admin@Think.COM Sun Mar 6 13:14:05 1994
Date: 07 Mar 1994 01:51:31 +0700 (SST)
From: ASIRENE@v9001.ntu.ac.sg
Subject: Officially QRP?

Hi Gang,

 What's the official power level to be considered QRP? <100, <10 <1
?

73 es 72
Daniel

From qrp-admin@Think.COM Mon Mar 7 13:56:14 1994
Date: 07 Mar 1994 13:51:36 -0500 (EST)
From: "D A Coleman (ext. 2850)" <DACOLEMAN@fair1.fairfield.edu>
Subject: Re: Officially QRP?

Hi

Nothing official about me, but I'd think it would be five watts

72.545399

Don Coleman, W1VOQ

From qrp-admin@Think.COM Thu Mar 10 11:56:26 1994
Date: Thu, 10 Mar 94 10:56:07 -0600
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: Paper Hangers

Gang,

For those of you who have just got to get every award that comes along, here is yet another award (YAA).

I just got T5W, The Five-Watter, the newsletter from the Michigan QRP Club. It's 20 pages, just like the CO one. The reason these guys do this is to get under the 1 oz. weight limit for one unit of first class postage. Most of the issue is closing the loop on political arguement over QRP vs QRO and whether QRPers are parasites. :-) Let's not open that discussion here. AA2U did a fantastic job of giving us the rules for QRP limits for other organizations and contests for CW and SSB. EOD - End Of Discussion.

Anyway, back to the original thread here. On page 8 is a picture of the "QRPp Low Power Award" offered by Roger J. Wendell, WB0JNR. Rules: 1. Power out less than 1 watt. (Note: less than and not equal to) 2. Distance between two stations great than 63 miles or 100 kilometers. and 3. No repeaters, etc. , but you can reflect off the moon, aircraft, buildings, mountains, etc. Just no active repeaters. Cost is $4 ($5 DX).

I'm not promoting or advertising this award, just making note that it exists. We could get into the award wars here. :-) The above award under the the auspices (sp?) of EFT, Earth Friendly Technologies. Let's see, $1 for printing, $0.52 for mail costs, ...

dit dit

Chuck K5FO
QRP ARCI #6285
NorCal #40
ColQC #44
M-QRP #1084
NorTex #1
NEQRP #???
G-QRP #???? forget this one, 7xxx or 8xxx
10-10 #50322

:-) ;-) :-)

CP-5, CP-10, CP-13, CP-20, CP-25, CP-30, CP-35, CP-40, CP-45, CP-60
ex-KN5FJZ, ex-K5FJZ (see why i got good a CW?), if you can do that
call, you can do any. :-)

dit dit

Chuck Adams K5FO CP-60
adams@sgi.com

From qrp-admin@Think.COM Thu Mar 10 13:59:39 1994
Date: 10 Mar 1994 13:44:48 -0500 (EST)
From: "DONALD A. COLEMAN (EXT. 2850)" <DACOLEMAN@fair1.fairfield.edu>
Subject: Re: Paper Hangers

Actual Subject: complaint

Or:

What ever happened to WOOBY?

"Wooby" stands for "Worked out of Own Back Yard," an award that--no kidding--the ARRL used to offer in a jocular vein. Doesn't WOOBY seem particularly appropriate for qrp? No offense meant; I have twenty states worked on a hundred mw myself. But here's one vote for the restoration of WOOBY for the op who has everything--or should I say "nothing?"

72.434980871

Don Coleman, W1VOQ

From qrp-admin@Think.COM Mon Mar 7 21:43:26 1994
From: Bruce Walker <bruce@Think.COM>
Date: Mon, 7 Mar 94 21:43:18 EST
Subject: Power vs QSOs

Something I meant to mention in my previous note was a bit of work someone on the CQ-Contest mailing list did to analyze QSO rates vs power. He took high finishers of various contests at varous power categories (QRPp, QRP, low power, and high power) and found a surprisingly consistent log-log relationship between power level and QSOs. He found that it takes about 4db power increase to get 1db increase in number of QSOs. The assumption here is that the best stations in each category are similar in antenna power, operator skill, and all other respects other than power.

For instance, from 100W down to max QRP 5W is about 13db, so it should

be about a factor of two in attainable QSOs. If you go from 5W down to 1W, you'll still make 2/3 of the QSOs you would have made at 5W.

Taking it to the extreme, going from 1500W down to 150mW would result in about 1/10 of the QSOs, all else being equal. Something to think about.

--bruce WT1M

From qrp-admin@Think.COM Mon Mar 7 17:42:19 1994
Date: Mon, 7 Mar 94 17:28:26 EST
From: "Henry T. Rand Jr." (FSAC-AAD) <rrand@PICA.ARMY.MIL>
Subject: QRP and ERP

At the risk of starting a volume of messages flowing on the mail reflector I will state my opinion on QRP and ERP.

ERP has not been factored in to awards and contesting as a means of discriminating between applicants and contestants. I believe this to be correct. It would be difficult if not impossible to calculate a real ERP for each station. ERP would be dependent on a number of factors like antenna gain, feedline loss etc. One of the most important factors though would not be counted and that is the location of the station. Having spent most of my QRP operating years in a valley and then having moved to a hilltop I was impressed by the difference between the two locations. A little extra elevation makes for alot of improvement in signals.

There would be cases where a station in a valley with a small tribander might be weaker at a given location than another on a hilltop with a dipole. I guess the point is whatever the rules there are always inconsistencies . Bigger antennas do have an advantage though. They are more directive and reduce QRM levels on the bands in directions other than the favored one. QRM reduction is always a good thing to promote.

Also, it is good to provide incentives for improving one's station. Contesting does this by scoring one's performance. Any improvements made in the station or in operating techniques are , hopefully, confirmed by a higher score or QSO rate.

Not everybody can put up a tower with a yagi but then not everybody will win or can expect to win a contest. Most people , even with a limited station, can win a contest certificate for their ARRL section or state with relative ease. A quick review of the results for the SS or ARRL 10m Contest will demonstrate this. There are many sections where no entries are received and any score would win a nice certificate. Find the niche and send it in!

Enough for now. Remember these are just my opinions...

73,
Randy Rand AA2U
rrand@pica.army.mil

From qrp-admin@Think.COM Tue Mar 8 10:15:58 1994
Date: Tue, 8 Mar 1994 8:17:04 -0700 (MST)
From: B61395@awtims.fe.anlw.anl.gov
Subject: QRP and ERP

Bravo to WT1M for his comments on this subject! QRP to me means not only low power, but simple rigs, simple antennas, and battery power, plus maybe operation from a picnic table somewhere. But when it comes to competition, I only compete with myself, always trying to do more with less!

I'm not about to tell anybody else what they should or shouldn't use in the way of antennas, towers, etc. to enhance their QRP operations. Frankly, I get a warm feeling :-) inside everytime I look a some contest results and see guys like Randy blowing the QRO competition away!!!

73 all -- keep QRPing! de KR8L -- Bill in Idaho

[that should read ...look AT some contest results...]

From qrp-admin@Think.COM Tue Mar 8 12:20:22 1994
From: Bruce Walker <bruce@Think.COM>
Date: Tue, 8 Mar 94 12:20:03 EST
Subject: QRP and ERP (my own follow)

> From: "Kevin Anderson" <GGANDERSON@Augustana.edu>
> Date: Tue, 8 Mar 1994 10:09:56 GMT-500
>
> Please, don't read me wrong on my original post wondering
> about ERP in this. I am as strong of proponent of QRP as I
> can be at this stage! By "level the playing field", I
> didn't mean to open a can of worms, and I didn't intend to
> imply such. I was just thinking this: when we are up at
> the upper QRP limits (5watts CW, 10watts PEP SSB as Chuck
> and others had been stating), I am just trying to realize,
> and also state, that depending upon one's antenna, you
> aren't necessarily QRP anymore if gain is involved. With 6
> to 10dB gain, your ERP is approaching the output of a Scout
> at 50Watts and no gain or some loss. Do I understand
> antenna gain right?

Right. Antenna gain is simply redirection of power. Instead of the power being radiated in all directions equally, a "gain" antenna concentrates the radiated power in some direction(s) at the expense of others. You're still

QRP since you're only sending out 5W, it's just that you're delivering a larger percentage of that 5W to the general direction of your intended target.

All you need is for about .0000000000001W (-100dbm) to hit the other guy's antenna and you can have a nice QSO. It's magic. --bruce WT1M

From qrp-admin@Think.COM Tue Mar 8 11:13:16 1994
From: "Kevin Anderson" <GGANDERSON@Augustana.edu>
Date: Tue, 8 Mar 1994 10:09:56 GMT-500
Subject: Re: QRP and ERP (my own follow)

> Bravo to WT1M for his comments on this subject! QRP to me means not only
> low power, but simple rigs, simple antennas, and battery power, plus maybe
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Thanks for the temporary bandwidth. 73 de Kevin, KB9IUA
* *
Kevin L. Anderson, Geography Dept., Augustana College
Rock Island, Illinois 61201 USA phone: (309) 794-7325
e-mail: gganderson@augustana.edu or kla@helios.augustana.edu
* *

From qrp-admin@Think.COM Tue Mar 8 13:29:26 1994

From: laurahal@microsoft.com
Subject: Re: QRP and ERP (my own follow)
Date: Tue, 08 Mar 94 10:26:00 PST

Kevin,

one thing to remember is that antenna "gain" is something of a misnomer. What a directional antenna does is take the RF you would have otherwise sprayed in all directions and concentrate it into a narrow beam. Inside that beam your signal strength is the same as an isotropic radiator being fed by much higher power. That power ratio is your antenna gain in dBi. If the signal strength comparison was against a half-wave dipole the gain would be in dBd, which has a couple of dBi gain already since the pattern of a dipole is a big donut around the wire, with nulls off the ends.

QRP is the art of communicating with a low-power radio. Winning contests is secondary...

When people play with microwaves it's not uncommon to feed 10 mW to a 50 dBi gain antenna for an ERP of 100 Watts. But since microwaves tend to be a field of low power (priced any TWTs lately? :-), high antenna gain and high ERP, QRP isn't a term people use once the frequency gets up into VHF and above.

73 from Burnaby,
laura VE7LDH

From qrp-admin@Think.COM Tue Mar 8 14:03:31 1994
From: g-taylor4@tamu.edu
Date: 8 Mar 94 13:00:44 CDT
Subject: Re: QRP and ERP (my own follow)

> and also state, that depending upon one's antenna, you
> aren't necessarily QRP anymore if gain is involved. With 6
> to 10dB gain, your ERP is approaching the output of a Scout
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> makes us good! A 5-watt QRP upper limit is not the same
> restriction for everyone -- that is all I am trying to
> state and understand -- so it more the spirit than anything.

True... unfortunately I don't think the implications of ERP can be readily quantified for HF antennas and multihop path signals the way it can at higher frequencies with highly directional antennas and line of sight paths. There are, however, highly subjective comparisons possible (for example, using QQs contest reporting format which includes antenna).

72, Greg, KD4HZ

Dr. Gregory S. Taylor !MAIL: 110 Dairy Science Building
Extension Program Leader for ! College Station, TX 77843-2124
 Community Development !VOICE: 409-845-4445
Texas Agricultural Extension Service!FAX: 409-847-8744
Texas A&M University System !EMAIL: Reply or g-taylor4@tamu.edu

From qrp-admin@Think.COM Wed Mar 9 09:10:48 1994
Date: Wed, 9 Mar 94 06:17:35 PST
From: Mark E Gustoff <Mark_E_Gustoff@ccm.hf.intel.com>
Subject: QRP and ERP (WO7T Opinion)

[My thoughts on this matter.....]

Truly it is the spirit more than anything else. And if not viewed
in this matter the criteria could get pretty petty. For example,
I don't want to have to deal with criteria that suggests I'm less
than QRP because the main lobe of my 10 element beam exhibits
N db of gain at 13 degrees takeoff which is optimum at MUF for a contact
to Zimbabwe, while my buddy down the block is less than QRP because his
gain at 13 degrees takeoff is (N db - 10).

The criteria for QRP is based upon output out the back of the rig which
is easily directly measured. Until ERP can be directly measured, I feel

you ARE qrp irrespective of your antenna, it's takeoff angle, lobes, etc. etc... as long as the power out of the radio is 5W or less.

Noting that all things evolve and QRP in old days use to be 100W or less before it was changed to 5W, maybe Kevin or others would entertain starting a new QRP-ERP organization with bylaws that center around contacts based upon some kind of ERP calculation remaining below a certain limit. I personally wouldn't join such a group, as I'm happy with what seems to be the general concensus of the definition of QRP today (which excludes antenna gain, coax losses, takeoff angles, sunspot count, K-index, A-index, all of which are contributing factors towards making a contact with a radio putting 5W or less out of the antenna jack.

Tnx,

Mark de WO7T/QRP

_____ Reply Separator _____
Subject: Re: QRP and ERP (my own follow)
Author: qrp-admin@Think.COM at Internet_Gateway
Date: 3/8/94 8:47 AM

> Bravo to WT1M for his comments on this subject! QRP to me means not only
> low power, but simple rigs, simple antennas, and battery power, plus maybe
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restriction for everyone -- that is all I am trying to
state and understand -- so it more the spirit than anything.

Thanks for the temporary bandwidth. 73 de Kevin, KB9IUA
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Rock Island, Illinois 61201 USA phone: (309) 794-7325
e-mail: gganderson@augustana.edu or kla@helios.augustana.edu
* *

From qrp-admin@Think.COM Tue Mar 8 15:57:02 1994
Date: Tue, 8 Mar 94 12:50:13 -0800
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: QRP ARCI Test - April

Gang,

The following is the notes from January QRP ARCI Quarterly (QQ)
for the Sprint QRP ARCI CW QSO Party. If you are going to enter,
then send me email. I'll send you the forms you need at no charge.

Let's get this group out in full force and have the QRP Internet
Group take all top positions for this contest. The function here
is to generate activity and keep QRP alive. We really don't care
how we place, it's just for the fun. If we happen to place, then
some much the better for it. So, please, no contest flame wars.

gud luck in the test es cul, dit dit

 Spring QRP ARCI CW QSO Party

 Entry may be all-band, a single band, "HI-band" (20M, 15M,
10M, and 6M) or as a "LO-band" (160M, 80M, and 40M). All
entries will compete against other entries in their own class
of entry only. Certificates go to the top 10 scores and to the
top score in each single band, LO-band, and HI-band categories.

 Certificates for the top score in each class in each SPC
(state/province/country). The contest manager reserves the
right to recognize special significant entries with a certificate

award.

Entry includes a copy of the logs and a separate summary sheet. Include duplicate check sheets with entries of 100 QSO's or more. Indicate the total time-on-air, including time spent listening. All entries must include a complete, legible, name, call, and address. All entries must be received within 30 days following the contest. Late entries will be counted as check logs. Members indicate their QRP ARCI member number on all logs. Members and non-members indicate their input or output power for each entry and band. The highest power level used will determine the power multiplier. Output power is considered as 1/2 of the input power. During the QSO party, a maximum of 24 hours may be operated within the 36 hour time period.

Include a description of homebrew equipment, commercial equipment, and antennas used with each entry. A summary sheet and sample log sheets are available from the contest manager for an SASE with one unit of postage. Include an SASE with one unit of postage in the entry for a copy of the contest results. Results will be published in the next available issue of the QRP ARCI Quarterly. The final decision on all matters concerning the contests rests with the contest manager.

Send entries to:

Cam Hartford N6GA
1959 Bridgeport Ave.
Claremont, CA 91711

Contest Rules

Date/Time: April 9, 1994-1200Z through April 10, 1994-2400Z

Exchange: Member - RST, State/Province/Country, ARCI Number
Non-member - RST, State/Province/Country, Power Out

QSO Points: Member = 5 points
Non-Member, Different Continent = 4 points
Non-Member, Same Continent = 2 points

Multiplier - SPC (State/Province/Country) Total all bands

The same station may be worked on more than one band for QSO points

and SPC credit.

Team Competition:

 Team competition of teams consisting of 2 to 5 members will be a
 separate category apart from individual entries. Team members will
 be listed as individuals and the team score will be the total of the
 member's scores. Team entry will be all-band only. The team captain
 must send a list of its members to the contest manager postmarked at
 least one day prior to the QSO party. Certificate awarded to the
 highest scoring team.

Power Multiplier: 0-1 watt out = x 10
 1-5 watts out = x 7

Suggested Frequencies:

BAND	CW	Novice
160M	1810 KHz	
80M	3560 KHz	3710 KHz
40M	7040 KHz	7110 KHz
20M	14060 KHz	
15M	21060 KHz	21110 KHz
10M	28060 KHz	28110 KHz
6M	50060 KHz	

Calling:

 CQ QRP CQ QRP CQ QRP DE N6GA N6GA N6GA QRP TEST K

 (CNA Note: I use "CQ CQ QRP TST DE K5FO K5FO K" , then move
 to the longer format if QSO rate is low.)

Score: points * SPC * power multiplier

-------------------------EOT--------------------------
Chuck Adams K5FO CP-60
adams@sgi.com

From qrp-admin@Think.COM Thu Mar 10 09:46:02 1994
Date: 10 Mar 94 09:42:07 EST
From: Bob Gobrick WA6ERB <70466.1405@CompuServe.COM>
Subject: QRP Contest Software

TO: >INTERNET:QRP@Think.COM

I was just reminded the other day while reading Chuck's announcement (reminder) of the upcoming Spring (is it really spring already - it seems like we never really had a winter :-)) QRP ARCI CW QSO Party.

In the spirit of using high technology to do my contest logging (never know when the Q's will get above 1000) does any one know of, have used, or can recommend a MS-DOS contest logging program that is "specific, or close to specific" for the QRPI QSO parties. I've used CT and Aries (logging program with a contest feature) in the past but I recall seeing some offers every once in a while in the ARCI Quarterly by folks who have offered such.

It would be nice if I can drag out my ole Toshiba T1000 with it's 8 hour battery from "cold" storage and fire it up for the contest logging chores. If worse came to worse I guess I could find my DBase III disk and come up with a kludge..

Thanks ahead of time before you answer this query (I always wondered why folks add that statement - since I'll thank anyone who reads this and doesn't scroll right by it..)

73, 72 Bob WA6ERB/VE2DRB
INTERNET:70466.1405@compuserve.com

From qrp-admin@Think.COM Mon Mar 7 12:29:37 1994
Date: Mon, 7 Mar 1994 12:26:18 -0500 (EST)
From: FOXG@WCSUB.CTSTATEU.EDU
Subject: QRP distance 2 the max!

My best with the OHR W7EL clone is CT-NZ with 1.7 watts. That's about 9,000 miles on 40 meters. We llost communications when strong SWBC stations finally swamped my DC receiver covering him up in a religous fervor.

BTW, am now in the process of building my NORCAL40. Unlike many 6 or 7 hourers, I'm taking my sweet time and expect the project to take a week of evenings or so. It's amazing how much the compnoents have shrunk since I built the OHR about a year ago!

Geoff WA1U

From qrp-admin@Think.COM Sat Mar 5 16:35:12 1994
Date: Sat, 5 Mar 1994 13:32:12 -0800 (PST)
From: "H. Ward Silver" <hwardsil@seattleu.edu>
Subject: Re: QRP distance 2 the max!

I've worked Europe long-path from the Pacific Northwest running
5W...what's that, about 19000 miles? But for the biggest miles/watt, I've
seen some in the 100 million category.
73, Ward N0AX

From qrp-admin@Think.COM Sun Mar 6 20:45:31 1994
Date: Sun, 6 Mar 1994 17:44:22 -0800 (PST)
From: Jack Fleming <oolon@isumataq.eskimo.com>
Subject: Re: QRP distance 2 the max!

On 5 Mar 1994 ASIRENE@v9001.ntu.ac.sg wrote:

> Hi QRPers,
>
> Does anyone know what is the furthest distance a QSO has ever been made
> with 5 watts CW?
>
> I also need to know the distance between G4 land and 9V land, any ideas?
> How many skips is that? Tks.
>
> 72 & 73 de Daniel
>

My personal best is from here (Seattle) to Mozambique (C9RAA) at 0522z on
September 23, 1991 *** LONGPATH *** on 15 meters cw. Sunset here was at
0201z and in C9 land the sun rose at 0337z. I heard him tune up, gave
one call and had him. He gave me a 569. I was running 5 watts to a 6
element KLM monobander at 96 feet. The distance according to Miniprop is
23,454 km or 14,574 miles. I have the QSL card.

The evening long path (3 hours after sunset here) was often very
productive during the good ol' days of sunspots.

73 Jack

Jack Fleming, WA0RJY oolon@eskimo.com
Seattle, WA DON'T PANIC!

From qrp-admin@Think.COM Sun Mar 6 22:33:32 1994
Date: Sun, 6 Mar 1994 21:33:12 -0600 (CST)
From: Peter Hardie <hardie@herald.usask.ca>
Subject: Re: QRP distance 2 the max!

On Sun, 6 Mar 1994, Jack Fleming wrote:
> On 5 Mar 1994 ASIRENE@v9001.ntu.ac.sg wrote:
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> > with 5 watts CW?
>
> My personal best is from here (Seattle) to Mozambique (C9RAA) at 0522z on
> September 23, 1991 *** LONGPATH *** on 15 meters cw.

I worked Mongolia long path, quite by accident (didn't realize beam was
pointing the "wrong" way) with 0.9 watts. I'm waiting for the card - and
turning an awful shade of blue/purple :-)
I don't know what the distance works out to.

Pete
ve5va.qrp.usask.ca

From qrp-admin@Think.COM Wed Mar 9 13:13:51 1994
Date: Wed, 9 Mar 1994 12:12:46 -0600
From: aarnett@prairienet.org (Andrew Arnett)
Subject: QRP es ERP

Yet Another Comment: Well, ERP from QRPers is definitely vary over quite
a few orders of magnitude. I guess if you are able to make QSOs, that's
all that counts.

However, when it comes to input power, we're all pretty much level
(except for the guys w/ turned down QRO rigs.) All the QRP rigs
pretty much use less than 20W input. That should make any
GreenPerson (tm) happy. :-)

Just last week, I was looking at someones 100 amp-hour battery. All I kept
thinking (and saying) was that I could key down for a WEEK. (Ok, only
100 hrs or 5/8 of a week.)

73, good luck, & good QRP
Drew kb9fko
aarnett@prairienet.org

From qrp-admin@Think.COM Wed Mar 9 12:06:56 1994
Date: Wed, 09 Mar 1994 11:05:32 -0600 (CST)
From: "JEFF M. GOLD" <JMG@tntech.edu>

Subject: QRP expedition

Saturday April 16, 1994 and Sunday April 17, 1994

Tennessee Technological Univerisity Amateur Radio Society (TTARS)
will be sponsoring a QRP expediation to the wilds of Fall Creek Falls
State park

Hours of operation will be 14:00Z-02:00Z. We will be posting bands
and frequencies in the near future. A certificate will be offered with
a QSL card and SASE.

We will be setting up schedules with individuals whenever possible.

We will most like go on the air Friday evening April 15 and be
on the air at various times Monday April 18th.

We will operate both CW (only have one op for this) and SSB.

Look for us.

If you are interested in setting up a sked.. just e-mail me.

72,73

Jeff, AC4HF

From qrp-admin@Think.COM Wed Mar 9 13:50:21 1994
Date: Wed, 9 Mar 94 10:57:01 PST
From: Mike J Pulley <Mike_J_Pulley@ccm.hf.intel.com>
Subject: QRP expedition

 Jeff,

 Your posting lacked your email address, else I would respond to
 you directly.

 What callsign do you intend to use? I can't commit to a
 schedule, but I'll listen for you on 20m CW during the
 event. 14.060-ish?

 Regards,

 -- Mike, WB4ZKA

 ==
 Mike Pulley Intel Corporation

Phoenix, Arizona (USA) Mike_J_Pulley@ccm.hf.intel.com
Callsign: WB4ZKA
QRP rig: MFJ-9020 20m CW, Ten-Tec PM2-B
QRP ant: Butternut vertical at ground level
QRP interests: Operating (WAS or bust!)
==========

_____ Forward Header _____
Subject: QRP expedition
Author: qrp-admin@Think.COM at Internet_Gateway
Date: 3/9/94 9:49 AM

Saturday April 16, 1994 and Sunday April 17, 1994

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72,73

Jeff, AC4HF

From qrp-admin@Think.COM Mon Mar 7 14:27:24 1994
Date: Mon, 07 Mar 1994 13:26:39 -0600 (CST)
From: "JEFF M. GOLD" <JMG@tntech.edu>
Subject: qrp power level

OK,

probably get me into trouble but here is my view about what power levels should be:

I think 5 watts CW is plenty for anyone.. I usually turn power down to 3 watts for my upper range.. haven't found much difference between 3 watts and 10 watts on CW.. that is to say... with decent band conditions, the chances are that if I can work them on 10 watts, I can work them just as well on 3 watts. I have found differences between 1 watt and 3 watts on occasion.. who knows .. could have been the rig.. found there are times they just can't work me with 1 watt, but can with about 3 watts.

With SSB I find under good conditions I can get by with 3-4 watts mobile with a mobile vertical (even ham stick or Hustler). I have found that a fair amount of the time I could work a station 3 watts CW, but really needed 10 watts on SSB.. When I travel out of town, I frequently arrange skeds with local hams.... remember more than one ocassion when SSB was minimal.. had to cut it short with a few of the hams..then went down to the CW portion and had great copy on the hams that were using CW (not all the hams here works CW.. in fact, most don't).

72

Jeff, AC4HF

From qrp-admin@Think.COM Mon Mar 7 12:51:41 1994
Date: Mon, 7 Mar 94 12:44:37 EST
From: "Henry T. Rand Jr." (FSAC-AAD) <rrand@PICA.ARMY.MIL>
Subject: QRP Power Levels

Regarding Chuck's comments on the Official Power Levels, I have a few comments on how they relate to contests. The rules for the ARRL and CQ contests that have QRP categories state that 5watts output power is the maximum allowed. The meaning of this level for CW is very clear. However, for SSB operation they do not specify PEP. I have always used 5 watts PEP as my upper limit when competing in the QRP categories in one of the contests sponsored by these organizations.

I would imagine if they intended to allow up to 10 watts PEP that the rules would specify 10 watts not 5 watts. Five watts seems more like QRP to me and I would rather see the limit as 5 watts PEP. This is consistant with the capabilities of much available TenTec gear that a QRPer might use. Allowing 10 watts would take us 3 db closer to the low power category and remove some of the signal strength difference between the higher power guys and us that makes QRP special and a challenge.

I will try to get an Official ruling for the CQ Contests.

73,
Randy Rand AA2U
rrand@pica.army.mil

From qrp-admin@Think.COM Mon Mar 7 14:31:14 1994
From: wb9omc@ecn.purdue.edu (Duane P Mantick)
Subject: Re: QRP Power Levels
Date: Mon, 7 Mar 1994 14:30:49 -0500 (EST)

>
>
> I would imagine if they intended to allow up to 10 watts PEP that the rules
> would specify 10 watts not 5 watts. Five watts seems more like QRP to me and
> I would rather see the limit as 5 watts PEP. This is consistant with the
> capabilities of much available TenTec gear that a QRPer might use. Allowing
> 10 watts would take us 3 db closer to the low power category and remove
> some of the signal strength difference between the higher power guys and us
> that makes QRP special and a challenge.

I think this is going in a direction of discussion that SORELY needs to be discussed, and thanks to Chuck for getting the ball rolling.

I can't speak for other hams in this regard, but:

I am Technician Class, "old". (1976 Technician (c), to be precise). As I understand it, this grandfathers me such that I only have to pass the 13 WPM CW test to get my General, since at that time Tech written tests were the same as the General test.

NOW - given that, my access to HF bands is pretty limited. There are some CW priveleges shared with Novices, and likewise I can work SSB on 28.3 through 28.5 MHz. (which I think was a perfectly shitty idea, given the up and down nature of 10 meters - IMHO, if they were going to give a voice HF privelege in this case, they should have put it on a band that wasn't *quite* so dependant on the sunspot cycle)

OK, I haven't got a lot of excess cash around, which means I can't afford a "gee-whiz 1080" multi-band sort of rig. I bought my Uniden HR2510 because it was relatively cheap, gave me what I wanted and what I could *legally* use in a band I could *legally use it on*. In retrospect, it would have been nice to have had about 100 watts, but *adjustable* so that when I WANT to go QRP I could do so.

At the time I bought it, I was going somewhere in the mountains in two weeks time, so I did NOT have the time to "homebrew" something or really even to build a kit. Sue me. :-)

Now, I get screwed because of it. The "big boys" give me little

respect, because (to quote the late V31BB) I sound like "a mosquito on the bands" and they know they can squish the crap out of me with raw power any time they didly darn well please....and believe me, they DO.

A lot of QRP people think I'm scum for ever signing or calling as WB9OMC/QRP, because everybody KNOWS that an HR2510 puts out too much power to be REAL QRP.

Well just what the heck am I *supposed* to do? I've looked at TenTec gear, and they make a nice rig. The dollar signs on it about give me cardiac failure, just like a Yaesu, Icom or Kenwood. (maybe they make some gear that the ads and flyers DON'T show..... :-))

But there DOES seem to be this gap between 5 watts and about 50 watts that is a "no-hams" land where you don't get any respect from anybody. It ain't easy trying to bust a pileup with something around 10 watts, and I know that you guys that run milliwatts can understand that.

There needs to be something for guys like me (and you better believe there are a boatload of 2510/HTX100's out there). Are we crazy? There are a lot of people who would say that ANYBODY who sits in front of a pile of radio equipment for hours, yea even DAYS on end is NUTS. :-)

It might be even MORE crazy to work for a whole day just to get that ONE opportunity, that ONE chance to work a *single* DX station with minimal power, whatever "minimal" is in your case. If you happen to run a 2510 there isn't an adjustment (without tearing the radio apart) easily available, so minimal = maximal. :-)

On the other hand, *I* don't think it's so crazy to be able to show off the QSL's you get with some persistence and a small bit of expertise by coaxing the best out of what you've got. A lot of guys use full grunt power to get the same cards while we the faithful (and maybe a little crazy) do it with LESS watts instead of more.

Now I really don't know how arbitrary the choice of 5 watts CW really was/is for "QRP". I don't know where it started, either. I'd bet somebody out there does. It just doesn't really seem fair that you get dinged if you happen to have 6 or 7. I guess you gotta draw the line somewhere......

Duane
wb9omc/maybe-a-hair-too-much-watts

From qrp-admin@Think.COM Tue Mar 8 08:19:24 1994
Date: Tue, 8 Mar 94 08:17:24 EST
From: skitch@NADC.NADC.NAVY.MIL (M. Squicciarini)
Subject: QRP Quartlerly received

I finally received my copy of the QRP Quarterly yesterday.
I'm not sure when they were mailed but its good to get
my copy.

When my copy of QRPp arrives I'll let you know.

73 -- marty -- nr3z skitch@nadc.navy.mil

From qrp-admin@Think.COM Mon Mar 7 13:05:52 1994
Date: 07 Mar 1994 12:05:31 -0600 (CST)
From: KANAMAA%AMGATE%MATRXA@randb.abbott.com
Subject: QRP Scout

From: Kana, Michael (D9CY)
Date: Mon, Mar 7, 1994 12:06 PM
Subject: QRP Scout
To: QRP Group
Howdy All

Has anyone in QRP netland worked with the QRP version of the Scout?
I'm debating as to whether to buy the Scout or go all out and get
the Argonaut II.

73's de AA9IL
Mike Kana

From qrp-admin@Think.COM Mon Mar 7 14:23:12 1994
Date: Mon, 07 Mar 94 19:00:01 -0800
From: "CHESTER BOWLES" <bowles.chester@a1.aimhi.mko.MTS.dec.com>
Subject: QRP Scout 1

[This message is converted from WPS-PLUS to ASCII]

Mike, AA9IL writes:

>>Has anyone in QRP netland worked with the QRP version of the Scout?
>>I'm debating as to whether to buy the Scout or go all out and get
>>the Argonaut II.

I have a Scout and have used it often for QRP. However, I need to
correct what are apparently some common mis-conceptions about the
Scout.

First, it was NOT designed as a QRP rig. Rather, it was designed as a

low cost, 50 watt, primarily mobile radio (therefore the plug-in modules).

Second, there is no QRP version of the radio. however, there is an access hole in the bottom of the rig which allows you to turn down the power out using a plastic screwdriver. Not a quick operation, but again, that wasn't the real intent of the radio.

With that said, I LIKE the Scout a lot. I've used it both mobile and at home, full power and QRP, SSB and CW. I think the receiver is quite good (not as good as my OMNI V, but still quite good). I've gotten excellent audio reports at all power levels. It's small. Relatively lightweight. Current draw is "acceptable" at ~.5 amps on receive and ~1.5 amps TX. My biggest complaint about the radio is the Jones filter it uses. The filter is OK, but not nearly as good as the REAL filters in my OMNI.

The radio comes with one band module--I picked 40. I also got the modules for 80, 20 and 15. Throw in shipping, etc., and the package cost me about $600. You can get the new Index Labs rig for the same $ (VERY nice!), but you give up the flexibility of having 50 watts if you want/need it.

So, back to your question about getting the Scout or the Argonaut? Depends on what you want. If you only want QRP, then go for the Argonaut (or the Index Labs radio). But if you think you'll ever want a 50 watt radio, or one that's small enough to easily go mobile, chose the Scout.

Sorry, to go off on my high horse on this issue, but I feel that Ten Tec and the Scout is getting "knocked" when they don't deserve it.

Chet, AA1EX

From qrp-admin@Think.COM Wed Mar 9 19:47:32 1994
Date: Wed, 9 Mar 94 19:47:18 -0500
From: al838@cleveland.Freenet.Edu (Eric J. Grabowski)
Subject: QRP: CW Active Bandpass Filters

Over the past few months I have seen several posts complaining about the poor performance of active filters especially with regard to strong signals. I don't understand why.

In 1978 I designed an active bandpass filter for use as a CW filter. At the time I wanted to operate CW very close to shortwave broadcasters on the 40 meter band.

The filter has the following characteristics:

```
Sharp Mode: BW =  80 Hz at -3 dB and  400 Hz at -50 dB
 Wide Mode: BW = 180 Hz at -3 dB and 1275 Hz at -20 dB
Power Comsumption: 2 mA at 6 V dc
Active Components: LM324 (quad op amp); CD4016 (analog switch)
                   and CD4011 (4 NAND gates)
```

The results were excellent, and I am still using the basic circuit in several receivers (both commercial and homebrew) today. I have never experienced any misbehavior in the presence of strong signals. There is absolutely no ringing or distortion.

In order to get good results, you need to pay attention to a couple of things.

First, the peak-to-peak audio voltage you apply to the input of the filter must be less than the power supply voltage used for the op amps. This condition is easily met by placing the active filter between the volume control and the audio amplifier.

Second, observe good layout practice to avoid blow-by, i.e. you must avoid stray paths where the signal could leak into the cascaded stages of the filter.

Third, if you want to select various bandwidths by tapping off at the outputs of the intermediate op amps, don't do this by running wires to a mechanical switch (on the front panel for example). This introduces a lot of leakage and really ruins the performance. The solution here is to use an analog switch integrated circuit (CD4016 or CD4066) placed near the op amps then, use dc switching.

Incidently, I did not match the Rs and Cs in order to get the 80 Hz bandwidth; I just used 5% parts. Just to satisfy my curiousity, I did try matching the components in one prototype and got the bandwidth down to 60 Hz but the effort wasn't worth it.

It should go without saying that you better have a very stable VFO and a S L O W tuning dial if you want to use a filter this sharp. But it does work _very_ well, especially on 40 meters.

73, Eric WA8HEB

--
Eric Grabowski, WA8HEB al838@cleveland.freenet.edu

Chagrin Falls, Ohio

From qrp-admin@Think.COM Sun Mar 6 15:26:03 1994
Date: Sun, 6 Mar 94 12:25:48 -0800
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: QRPp

Oooops. QRPp levels are 1W output or less for CW, 2W PEP for SSB,...

Chuck "Dr QRPp" Adams using 0.95W out CW only on 40, 30, and 20M.

dit dit
Chuck Adams K5FO CP-60
adams@sgi.com

From qrp-admin@Think.COM Wed Mar 9 12:24:33 1994
From: mvjf@mvubr.att.com
Date: Wed, 9 Mar 94 12:09 EST
Subject: QRPp

Still waiting....

W1FMR

From qrp-admin@Think.COM Wed Mar 9 15:44:40 1994
Date: Wed, 9 Mar 94 12:43:11 PST
From: dh@deneb.csustan.edu (Doug Hendricks)
Subject: QRPp

Really it was mailed on the 28th, albeit bulk mail. Let me know when it
arrives, as that will determine how many days I will have to give it to get
there on the 1st of June for the next issue. 72, Doug

From qrp-admin@Think.COM Wed Mar 9 14:33:51 1994
Date: Wed, 9 Mar 1994 14:31:35 -0500
From: Brad Mitchell <bmitchel@CBA.Kodak.COM>
Subject: Re: QRPp

Anxiously awaiting my first issue.

From qrp-admin@Think.COM Thu Mar 10 00:16:24 1994
Date: Wed, 9 Mar 1994 21:15:47 -0800 (PST)

From: stark <mswmod@sage.unr.edu>
Subject: Re: QRPp

On Wed, 9 Mar 1994, Brad Mitchell wrote:

> Anxiously awaiting my first issue.

Me too, Ron, KU7Y

From qrp-admin@Think.COM Wed Mar 9 12:22:56 1994
Date: Wed, 9 Mar 1994 11:22:26 -0600 (CST)
From: Peter Hardie <hardie@herald.usask.ca>
Subject: QRPp - FYI

It arrived here in this morning's mail. I'm in sunny Saskatchewan so you
guys in the U.S. should have received it by now - eh?
Pete
ve5va.qrp@usask.ca
NorCal #290

From qrp-admin@Think.COM Wed Mar 9 12:23:11 1994
Date: Wed, 9 Mar 94 12:13:28 EST
From: klaudon@PICA.ARMY.MIL
Subject: QRPp issue

I have not received a 1994 issue yet, either, as of 9 March 94.

Kalman Laudon WD6CZI in 2 land
QRP ARCI No. 8385
<klaudon@pica.army.mil>

From qrp-admin@Think.COM Wed Mar 9 14:04:44 1994
Date: Wed, 9 Mar 94 13:04:20 -0600
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: QSL cards

For those of you who have not gotten cards and/or going to
get new cards, I got mine from W4MPY. He/They advertise in
QST and other magazines.

Mine has the official QRP ARCI logo in upper left quadrant

and my call, etc. on the right hand side. The typical horizontal bar with blocks for call, date, UTC, MHz, RST, and Mode 2/3 of the way down the card. I only have my QRP ARCI #6285 just above the details on the LHS and then the CP-60, RCC, and WAS-40CW across the bottom of the fill area. On the very bottom the two boxes for PSE or TNX for QSL and then a QRP _____W OUT to finish off the card. Not too fancy, which is what I like, and I don't think the price was too prohibitive. I know that I bought 1,000 of these critters, so I'm trying to work everybody in the world to get them out the door. :-)

At Dayton, have me tell you the story of how my first wife took a shoebox full of QSL cards for my senior year in high school (9 ARRL logbooks full) and threw them out. :-) I wear a size 14 shoe! ;-)

Just a note of QSL cards from K5FO. Not an advertisement, just another happy customer.

BTW: I did cards from K6FO, AB6FO, and W2FO. Now I need to catch K1FO, who is pictured for April '94 in the CQ Amateur Radio Calendar. He's big in VHF and lots of linears in the photo. Guess that's up in the IR or visible part of the electromagnetic spectrum. :-) Anybody who has the calendar - what the heck is the critter sitting next to the line-voltage meter? I also see the VUCC Century Club certificate with endorsement for 300 on 432 MHz. Is that countries or contacts?

dit dit from Texas, where it was snowing this morning. somebody shut the north gate, Plllleeeeeeaaaaaasssssseeeee. :-)

Chuck Adams K5FO CP-60
adams@sgi.com

From qrp-admin@Think.COM Fri Mar 11 15:17:23 1994
Date: Fri, 11 Mar 94 14:16:27 -0600
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: Saturday March 12, 1994

Gang,

I'll be playing with my experiment.

I have a Transel Technologies "Dipole Adaptor". Part # TDAK. Made in the USA. It cost me $10 and I got it from the same guy who manufacturers and sells the "TX BugCatcher".

It's just an L bracket with two insulated mobile vertical holders. They each hold a whip, thus making a dipole. The supporting pole is held by the other half of the bracket. I'd draw a picture, but I can't on ASCII.

It's neat, 'cuz you can have the "dipole" made up of the two whips polarized horizontally or vertically.

So, I'll start at 1200Z tomorrow morning on 10.106MHz and work on or near that frequency for 4 hours. The purpose is to check progagation on 30M, check out the antenna, and to see just how many states I can get 'from scratch' in a four hour period. Your help greatly appreciated. I'll be running 0.90W with the OHR Sprint W7EL xcvr on gel-cell. I'll be on the Bencher Paddle and Curtis 'Lil Bugger keyer, so I won't be sending fast. I'll receive at whatever speed you wanna go, but will most likely come back at speeds less than 30wpm and certainly only at the speed you send for less than 30.

I'll start horizontally polarized and aimed to the NE from Dallas TX. Then swing the dipole to the midwest and finally wind up on CA around 1600Z (8am CA time).

I'll have two WD4BUM "Hamsticks" on the above critter. If this puppy works well, it'll be my antenna on the road in Dayton.

Side note:

1. Thanks to Doug Hendricks, dh@deneb.csustan.edu, for his providing the service of copying all years of the QQ from 1985 to 1993 for $83, and I think that includes shipping. I was reading through them last night and there is a wealth of information in there. If you are a newbie to QRP and you wanna know the history of QRP stuff over the last 10 years, this is the place to start. They come COMB bound for each year. Good job Doug.

2. Thanks to Jim Fitton, W1FMR. I found out that he

is personally responsable for the start of getting the QRP group going at Dayton every year. This will be my first trip ever to Dayton and I'm so excited I'm about to burst. To see all the people, who year after year continue to contribute so much to the hobby.

3. Also found out that the position of "Awards Chairman" for QRP ARCI is an elected position. I didn't get that way, so I guess there will be an election soon to see if I get to keep it or pass it on. I spent a lot of time entering 30 years of data in to the computer. The next person had better have a large disk drive and a good laser printer. I think that I did a good job of setting up the print format of the awards so that they look pretty good, even if I do say so myself.

OK. Tomorrow, Saturday, 3/12/94. 10.106 MHz. Be there and be square.

dit dit

Have a good weekend. I'll be giving out the 1,000 mi/watt award to all contacts over 900 miles. Help yours truly get WAS QRPp.

May all your DX be good ones.

Chuck Adams K5FO CP-60
adams@sgi.com

From qrp-admin@Think.COM Mon Mar 7 17:07:17 1994
Date: 07 Mar 1994 16:07:02 -0600 (CST)
From: KANAMAA%AMGATE%MATRXA@randb.abbott.com
Subject: Scout clarification

From: Kana, Michael (D9CY)
Date: Mon, Mar 7, 1994 4:07 PM
Subject: Scout clarification
To: QRP Group
Hello again...

Re an earlier posting regarding the Scout, I have read (not seen or through conversation with Ten Tec) in several magazine articles

that there is a QRP version of the Scout. From my understanding, this is the Scout design minus the 50w PA. This unit runs at 5w which is alot more efficient. Hopefuly, I will have a chance to see one first hand at Dayton (after the flea market, the first stop on the list is the Ten Tec booth). Currently, I run my Omni V in QRP mode (at 10 amps). If I had the $$, Id buy BOTH the Scout and the Argo!

73's de AA9IL
Mike Kana
(another happy Ten Tec owner)

From qrp-admin@Think.COM Thu Mar 10 09:10:39 1994
Date: Thu, 10 Mar 94 09:07:22 EST
From: neindorf@princeton.edu (Richard Neindorff)
Subject: Sockets in NorCal 40

While sitting here waiting for the QRPp Journal (10 March and counting), I wonder if anyone has used IC sockets in the NorCal 40. I would perfer them to soldering but understand that the NN1G transceiver (for instance) had problems when sockets were used (stray capacitance maby?).

---Rich, WB2RAR

From qrp-admin@Think.COM Thu Mar 10 12:24:11 1994
From: Thang Le <tl@hprnd.rose.hp.com>
Subject: Re: Sockets in NorCal 40
Date: Thu, 10 Mar 94 9:23:41 PST

>
> While sitting here waiting for the QRPp Journal (10 March and
> counting), I wonder if anyone has used IC sockets in the NorCal 40. I
> would perfer them to soldering but understand that the NN1G transceiver
> (for instance) had problems when sockets were used (stray capacitance
> maby?).
>
> ---Rich, WB2RAR
>
>

I did. It seems to work fine with the sockets. I use the low profile, dip solder sockets.

--
Best regards,

Thang Le, AA6SV
tl@hprnd.rose.hp.com

From qrp-admin@Think.COM Mon Mar 7 10:20:16 1994
Date: Mon, 7 Mar 94 07:19:52 -0800
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: SSB PEP

I got email for Duane, WB9OMC, asking about measurement of PEP.

He states that he has a Uniden HR2510, which I also have one
that I used during the last sunspot peak for mobile work to
and from work, and that his wattmeter shows tht he is putting
out "typically around 8 watts, sometimes more sometimes less".

If he means averaging 8 watts, then his PEP is probably 16W.
If you figure 50% duty cycle for normal voice operation,then
your average power output is 1/2 of the peak. Thus the rating
of 10W PEP for QRP operation by the QRP ARCI and others.

Of course, this is very very difficult to keep track of during
a QSO, thus is very subjective.

Needless to say this is a contraversial topic. My feelings are
that everybody does the best they can and we let it go at that.

Maybe someone else has the rules, 'cuz I didn't find them myself,
but lets say you START a QSO running 4W. Conditions are good, so
you crank down the output to 100mW, then 50mW and still have a QSO.
Should the 1,000 mile/watt award go for the 4W (assumming a distance
greater than 4,000 miles) or for the 50mW? Also, to my knowledge
and I have to do some further research on this, all the 1,000 mi/watt
awards are for the great circle distance and not for the long-path,
but don't quote me on this yet. I need time to check it out.

We do award the above for the 50mW, because that is what the
individual is going to tell me. I don't have a problem with that,
since communication(s) did occur at that power level. We use
the 1,000 mi/watt award to illustrate that communication can and
did take place at that power level and it is also a measure
of band conditions and operator skills. The latter usually being
the most important.

Anyone apply for the award given in Colorado for 1,000 mi/watt?
I think it's four or five bucks to apply. Forget the name of it,
since I'm not at the house as I type this. :-)

Thoughts from the mind of Chuck Adams. My opinions and not those
of others. Noone else would have them.

dit dit
Chuck Adams K5FO CP-60
adams@sgi.com

From qrp-admin@Think.COM Wed Mar 9 15:23:48 1994
Date: 9 Mar 94 15:16:00 EST
From: "PATRICK FRANZIS" <FRANZIS@evax5.gdc.com>
Subject: Ten-Tec Kits

 Hi everyone,

 A while ago, I remember someone mentioning that TEN-TEC is
 now selling kits. Is this true? If so what do they have and
 has anyone built one?

 -Pat (n1ocj)

From qrp-admin@Think.COM Thu Mar 10 07:39:47 1994
Date: Thu, 10 Mar 1994 07:34:46 -0500
From: Karl Heinz Kremer QA <khk@raster.Kodak.COM>
Subject: Re: Ten-Tec Kits

> Hi everyone,
>
> A while ago, I remember someone mentioning that TEN-TEC is
> now selling kits. Is this true? If so what do they have and
> has anyone built one?
>
>
>
> -Pat (n1ocj)

I ordered a 2m amp and a 6m converter 3 1/2 weeks ago. The guy
on the phone told me that it will take 4 to 5 weeks until i
receive the kits. I ordered the day after i received their catalog,
so it looks like they haven't been quite ready to ship the kits when

they shiped the catalogs. But anyway: I will tell you when finish
the kits.

73,
Karl Heinz - N2XRQ

--
Karl Heinz Kremer Performance Technology & Evaluation
Eastman Kodak Company, Department 294, 901 Elmgrove Road
Rochester, NY 14653-5810, USA FAX: +1-716-726-0374
EMail: khk@raster.kodak.com Phone: +1-716-726-7882

From qrp-admin@Think.COM Mon Mar 7 16:08:24 1994
Date: Mon, 7 Mar 1994 14:08:05 -0700
From: Dave Finley <dfinley@aoc.nrao.edu>
Subject: Ten-Tec, Index

Hello:

There IS a QRP version of the Ten-Tec Scout, or at least is supposed
to be shortly. It's called the Argo 556, and in January a guy from
Ten-Tec told me it was scheduled to hit the market in mid-February.
Whether or not that happened, I don't know.

According to the guy on Ten-Tec's 800 line, the Argo 556 is identical
to the Scout except for its output power -- 5 watts -- and its
power consumption. Whereas the Scout draws about 10 amps on transmit,
the 556 is supposed to draw about 2. On receive, it draws the same
600 ma that the Scout does. It uses the same band modules, etc., as
the Scout.

A call to Ten-Tec's 800 number should tell you if this thing is on
the market yet. The price was a few bucks less than the Scout.

I thought it sounded nice, but, upon weighing everything, decided to
get the QRP Plus from Index Labs instead. I got 9 bands for less money
than the 556 with 8 band modules, plus far lower power consumption, plus
20 memories, a general-coverage receiver, and other goodies.

73,

Dave Finley, N1IRZ

From qrp-admin@Think.COM Mon Mar 7 21:35:58 1994
Date: Mon, 7 Mar 1994 18:30:03 -0800
From: rohrwerk@holonet.net
Subject: Ten-Tec, Index

In a message dated 03-07-94 dfinley@aoc.nrao.edu wrote to qrp@Think.COM:
 > I thought it sounded nice, but, upon weighing everything, decided to
 > get the QRP Plus from Index Labs instead. I got 9 bands for less
 > money than the 556 with 8 band modules, plus far lower power
 > consumption, plus 20 memories, a general-coverage receiver, and other
 > goodies.

Sounds like an interesting rig. Where do you get this little goodie?

John K0JD

 -> Alice4Mac 2.3 E QWK Eval:05Mar94

From qrp-admin@Think.COM Wed Mar 9 09:10:23 1994
Date: Wed, 9 Mar 94 06:17:19 PST
From: Mark E Gustoff <Mark_E_Gustoff@ccm.hf.intel.com>
Subject: Re: Ten-Tec, Index

I have the Index Labs radio also, and I'm very pleased with it.

You find out more from:

 Index Labs
 9318 Randall Dr. NW
 Gig Harbor, WA 98332

 (206) 851 - 5725

de WO7T/QRP --- Mark

_____ Reply Separator _____
Subject: Ten-Tec, Index
Author: qrp-admin@Think.COM at Internet_Gateway
Date: 3/7/94 7:15 PM

In a message dated 03-07-94 dfinley@aoc.nrao.edu wrote to qrp@Think.COM:
 > I thought it sounded nice, but, upon weighing everything, decided to
 > get the QRP Plus from Index Labs instead. I got 9 bands for less
 > money than the 556 with 8 band modules, plus far lower power
 > consumption, plus 20 memories, a general-coverage receiver, and other
 > goodies.

Sounds like an interesting rig. Where do you get this little goodie?

John K0JD

 -> Alice4Mac 2.3 E QWK Eval:05Mar94

From qrp-admin@Think.COM Sat Mar 5 15:58:55 1994
Date: Sat, 5 Mar 1994 12:51:01 -0800
From: rohrwerk@holonet.net
Subject: Test Message

Test message, please ignore (testing new mailer)

 -> Alice4Mac 2.3 E QWK Eval:05Mar94

From qrp-admin@Think.COM Tue Mar 8 09:37:19 1994
Date: 08 Mar 1994 22:33:35 +0700 (SST)
From: ASIRENE@v9001.ntu.ac.sg
Subject: The difference filter BWs make.

Hi guys (gals?),

 Here's another question. When it comes to working pile-ups, the rcvr comes into its own, especially when dealing at QRP or QRPp levels. My question is this; How much difference will a 400 Hz BW filter improve over a 600 Hz one? Suppose the existing one is a 4-xtal Butterworth, how difficult will it be to change the shunt capacitors so that I get a 400 Hz BW and how will this then affect the characteristic impedance of the ladder-filter? Is this mod worth it? I hear that this will not improve skirt selectivity but am not exactly sure what this means? Basically I want better selectivity for pile-up work and AF filters just don't cut it when you have some strong signals about.

 Appreciate any advice.

72 es 73,
Daniel

From qrp-admin@Think.COM Wed Mar 9 10:26:49 1994
Date: Wed, 9 Mar 1994 10:26:26 -0500 (EST)
From: "Andrew M. Cohn" <andy@clark.net>
Subject: The Slinky

Well, I finally took the plunge, and ordered an MFJ-9040 and tuner. Unfortunately, MFJ is notoriously slow shipping, and I don't expect to get on the air for a month. I've been thinking about very compact antennas, ones that could be used in extremely limited space, indoors. A few years ago I put up a Slinky long wire in the attic; actually, I used two soldered together since I wanted to try loading up on 80 and 160.

But now I'm wondering about the Slinky as a portable "motel-rooom" antenna, used in conjunction with a counterpoise strung around the room. Has anyone tried tuning up one Slinky as a random wire? Will it even load up on 40 meters, much less get out? If your comments are all negative, you will have saved me a trip to Toys-R-Us!

73, andy - k4adl

From qrp-admin@Think.COM Wed Mar 9 13:49:10 1994
Subject: Re: The Slinky
Date: Wed, 09 Mar 1994 10:48:34 -0800
From: Clark Savage Turner WA3JPG <turner@safety.ICS.UCI.EDU>

Andy asks about the Slinky as an antenna.

My experience has been just fine. The single slinky loads up fine on 40 with a counterpoise out of the tuner, and I even loaded up on 75, though the signal wasn't very strong. I had it all bunched up at times, and it still worked fine.

My take on it is this: just remember, some folks even use hamsticks on their cars on 40 and 75 and THEY get out (even with qrp :-). THAT is not much of an antenna, but it is enough to communicate. Good luck.

Clark
WA3JPG

From qrp-admin@Think.COM Wed Mar 9 15:07:11 1994
Date: Wed, 9 Mar 1994 15:06:57 -0500 (EST)
From: "Andrew M. Cohn" <andy@clark.net>
Subject: Re: The Slinky

On Wed, 9 Mar 1994, Clark Savage Turner WA3JPG wrote:

> Andy asks about the Slinky as an antenna.
>
> My experience has been just fine. The single slinky loads up fine on 40
> with a counterpoise out of the tuner, and I even loaded up on 75, though
> the signal wasn't very strong. I had it all bunched up at times, and it
> still worked fine.

Thanks for your encouraging feedback, Clark. It's off to Toys-R-Us! By the way, I can save a couple of dollars if I get the plastic slinky.

 ********** J U S T K I D D I N G ! ! **********

andy, k4adl

From qrp-admin@Think.COM Tue Mar 8 09:31:13 1994
Date: Tue, 8 Mar 94 06:25:25 -0800
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: Wall Size

Gang,

got note back about the size of the wall. i wasn't in the shack when i sent the note yesterday and i remember too many numbers. :-)

the shack is 15x15' (nice size wouldn't you say). it does have 8 ft high walls with
15' cathederal ceiling. it's the living room that has the 25' x 16' space with 10'
high wall. anyway, i have enough paper to cover the walls, but the awards are in a filing cabinet. too much trouble and who cares?

i've been collecting ARRL CP-40 certificates since the beginning of time. :-)

i'll bring pictures to Dayton. In fact, EVERYBODY bring pictures and surely bring your camera. if you don't, you'll be sorry. :-)

no video please. i hate it when that happens. :-)

dit dit

p.s. scared you didn't i Jack?

measurements above made with COMPUMETER with 0.5% accuracy.

Chuck Adams K5FO CP-60
adams@sgi.com

From qrp-admin@Think.COM Mon Mar 7 17:33:15 1994
From: mtrail@violet.berkeley.edu
Date: Mon, 7 Mar 1994 14:29:58 -0800 (PST)
Subject: What is the Index Labs plus rig?

Hi, all!

Name here is Matt, KN6CR, and I'm a newcomer to the group and learning a lot in the process.

I've heard mention of the Index labs qrp rig, but haven't seen any specs listed. Has anybody used one yet? Is there a phone number or address for the maker (I'm unfamiliar with the company). Is it a kit or wired?

Thanks!

Matt Trail KN6CR

From qrp-admin@Think.COM Mon Mar 7 21:04:46 1994
From: bob.berlyn@chowda.sbs.com (Bob Berlyn)
Subject: What RX To build
Date: Mon, 7 Mar 1994 20:27:00 GMT

Hi again,

Thanks for the info Jim, W1FMR.

I'm in. I'll call Paul Kranz tonight and make sure there are some still available. A Superhet sounds good to me. Do you have to be a member of the QRP Club of New England to order one ?, and how do you join.

JIM ,WX4D

Actually I have already built the Neophyte from QRP Classics, (My first project) and I have been pleased with it (more so that it works at all), I have built a RC active filter and attempted to use it with mixed results on the Neophyte, but good practice anyway. I also built the W7ZIO "Universal QRP Transmitter" on page 10 of classics, on 40 Meters and have been pleased with it. I even modified it to include a spotting circuit, so I can spot the RX to it.I use it with the Neophyte, and a QSK TR circuit, also home brew. It has provided many nice QSO's, but is very hard to use on a crowded band. Oh yes I built the power supply too, very pleased with that.

I do however have a project on the bench that I can't make work (Ugghh). I'ts driving me crazy because I can't figure out why. My more learnerd friends have told me that you really start learning how things work when you build them and then have to figure out why it won't work. You know they are right !!

Well I have been home with a sinus infection for the last few days, and it looks like I will be on sick leave for at least a couple more. But I am starting to feel a little better, not good enough to go to work, but good enough to go down stairs and figure out why that fool thing

wont work.

See ya all latter

* OFFLINE 1.54 * Bob Berlyn N1PWU Bob.Berlyn@Chowda.sbs.com

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From qrp-admin@Think.COM Wed Mar 9 09:57:28 1994
Date: Wed, 9 Mar 1994 7:58:32 -0700 (MST)
From: B61395@awtims.fe.anlw.anl.gov
Subject: Xtal Filters

--> John, N9JZW -- defenitely interested here. Hope you will post the info.

Tnx and 73, Bill, KR8L

From qrp-admin@Think.COM Sun Mar 6 16:52:58 1994
Date: Sun, 6 Mar 94 11:52:46 HST
From: Jeffrey Herman <jherman@uhunix.uhcc.Hawaii.Edu>
Subject: [mgseyle@super.org (Melvin G. Seyle): "History of QRP in the U.S."]

Mel and the Gang,
the letter I received from Weiss, the author of that book (HISTORY OF
QRP IN THE U.S.) had that South Dakota address as the return address on the
envelope. You might try this: go to your library and look at the reference
titled BOOKS IN PRINT (thick 5 volume set) and see what address is
listed.

73,
Jeff NH6IL

Received: by mail.think.com; Sun, 6 Mar 94 10:51:21 -0500
Received: from Think.COM by mail.think.com; Sun, 6 Mar 94 10:51:12 -0500
Received: from super (super.super.org) by Early-Bird.Think.COM; Sun, 6 Mar 94
10:51:08 EST
Received: from descartes.super.org by super (4.1/SMI-4.1)
 id AA17887; Sun, 6 Mar 94 10:50:42 EST
Date: Sun, 6 Mar 94 10:50:42 EST
From: mgseyle@super.org (Melvin G. Seyle)
Message-Id: <9403061550.AA17887@super>
To: qrp@Think.COM
Subject: "History of QRP in the U.S."
Sender: qrp-admin@Think.COM
Precedence: bulk

I don't remember who posted the message about where to purchase
"A History of QRP in the U.S.", but the address he gave:

 Milliwatt Publishing
 833 Duke St. #83
 Vermillion, South Dakota 57069

is WRONG. I just received my ordering letter back from the Post Office
with a "Forward Expired" box checked. Does anyone know the correct address?
I would really like to order the book.

Thanks.

Mel
mgseyle@super.org
WA3KZR